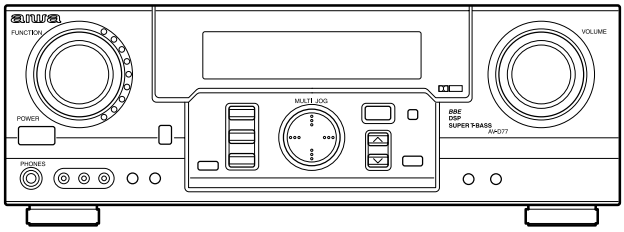
aiwa
SERVICE

# AV-D57 U




# SERVICE MANUAL

STEREO AV RECEIVER

• This Service Manual is the “Revision Publishing” and replaces “Simple Manual”, (S/M Code No. 09-002-427-9T1).

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S/M Code No. 09-005-427-9R1

REVISION DATA

# SPECIFICATIONS

**<FM tuner section>**

**Tuning range** 87.5 MHz to 108 MHz

**Usable sensitivity (IHF)** 13.2 dBf

**Antenna terminals** 75 ohms (unbalanced)

**<AM tuner section>**

**Tuning range** 530 kHz to 1710 kHz (10 kHz step)
531 kHz to 1602 kHz (9 kHz step)

**Usable sensitivity** 350 µV/m

**Antenna** Loop antenna

**<Amplifier section>**

**Power output** **[Stereo Mode]**
**Front**
100 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9% Total Harmonic Distortion
**[Dolby Digital Surround or Dolby Pro Logic Mode]**
**Front**
70 watts per channel, Min. RMS at 8 ohms, from 40 Hz to 20 kHz, with no more than 0.9% Total Harmonic Distortion
**Rear (Surround)**
70 watts per channel, Min. RMS at 8 ohms, 1 kHz, with no more than 0.9% Total Harmonic Distortion
**Center**
70 watts, Min. RMS at 8 ohms, 1 kHz, with no more than 0.9% Total Harmonic Distortion

**Total harmonic distortion** 0.08% (50 W, 1 kHz, 8 ohms, Front)

**Inputs** AUDIO IN
PHONO: 2.5 mV, adjustable (47 kohms)
VIDEO 1/DVD/MD, VIDEO 2/LD/TV, VIDEO 3, CD: 300 mV, adjustable (47 kohms)
TAPE MONITOR: 350 mV, adjustable (47 kohms)
AUX: 250 mV, adjustable (47 kohms)
DIGITAL IN
COAXIAL (VIDEO 2):
OPTICAL (VIDEO 1):
accept linear PCM (32 kHz, 44.1 kHz and 48 kHz) signals and bit stream of Dolby Digital Surround
VIDEO IN: 1 Vp-p (75 ohms)

**Outputs** AUDIO OUT (REC OUT): 300 mV (1 kohm)
VIDEO OUT (MONITOR): 1 Vp-p (75 ohms)
SUPER WOOFER: 5.0 V
FRONT SPEAKERS IMP: 8 ohms (front speakers A and B): accepts speakers of 8 ohms or more
SURROUND SPEAKERS IMP: 8 ohms (surround speakers): accepts speakers of 8 ohms or more
CENTER SPEAKER IMP: 8 ohms (accepts speakers of 8 ohms or more
PHONES (stereo jack): accepts headphones of 32 ohms or more

**Muting** -20 dB

**<General>**

**Power requirements** 120 V AC, 60 Hz

**Power consumption** 160 W

**Power consumption in standby mode**
ECO OFF: 33.5 W
ECO ON: 1.3 W

**Dimensions of main unit (W x H x D)** 430 x 155 x 392.5 mm (17 x $16^{1}/_{8}$ x $15^{1}/_{2}$ in.)

**Weight of main unit** 10.2 kg (22 lb 8 oz.)

• Design and specifications are subject to change without notice.

• Manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY", the double-D symbol and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

# ACCESSORIES / PACKAGE LIST

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-AR3-903-010 | | IB,U(ESF)M |
| 2 | 87-043-115-010 | | ANT,FEEDER FM |
| 3 | 8A-AR2-701-010 | | RC UNIT,RC-AAR02 BLK |
| 4 | 87-006-225-010 | | AM LOOP ANT NC2 |

# ELECTRICAL MAIN PARTS LIST

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| IC | | | |
| | 87-A21-419-040 | | C-IC,NJM14558MD-TE2 |
| | 87-A21-501-010 | | C-IC,YSS902 |
| | 87-A21-503-010 | | C-IC,AK4527VQ |
| | 87-020-903-010 | | IC,NJM7805FA |
| | 87-017-022-080 | | C-IC,NJM2068M-D(T1) |
| | 87-020-784-080 | | C-IC,TC4053BF |
| | 87-A20-870-010 | | IC,GP1F37R |
| | 87-001-604-080 | | C-IC,TC74HCU04M |
| | 87-002-298-080 | | C-IC,TC74HC00AF |
| | 87-A20-736-010 | | IC,BA033ST |
| | 87-A21-499-040 | | C-IC,SN74HC153A |
| | 87-A21-502-010 | | C-IC,YSD917 |
| | 87-A20-715-010 | | IC,M62439SP |
| | 87-017-726-080 | | C-IC,BU4052BCF |
| | 87-A21-202-040 | | C-IC,M62445AFP |
| | 87-A21-481-040 | | C-IC,HD74HC4051FP |
| | 87-017-915-080 | | C-IC,BU4094BCF |
| | 8A-AR3-601-110 | | C-IC,UPD780228GF-071 |
| | 87-070-083-010 | | IC,GP1U281X |
| | 87-A20-820-010 | | IC,BA7625 |
| | 87-017-917-080 | | C-IC,BU4066BCF |
| | 87-A20-913-010 | | IC,LA1837NL |
| | 87-070-127-110 | | IC,LC72131D |
| TRANSISTOR | | | |
| | 87-A30-197-080 | | TR,KTA1267GR |
| | 87-026-245-080 | | TR,DTC114ES |
| | 87-A30-198-080 | | TR,KTC3199GR |
| | 89-110-372-080 | | C-TR,2SA1037K(R) |
| | 87-A30-071-080 | | C-TR,RT1N 144C |
| | 89-213-702-010 | | TR,2SB1370E |
| | 87-A30-083-080 | | TR,CSD1489B |
| | 87-A30-085-040 | | C-TR,CSA1362GR |
| | 87-A30-075-080 | | C-TR,2SA1235F |
| | 87-A30-076-080 | | C-TR,2SC3052F |
| | 87-A30-074-080 | | C-TR,RT1P 141C |
| | 87-026-610-080 | | TR,KTC3198GR |
| | 87-A30-073-080 | | C-TR,RT1N 141C |
| | 87-A30-086-070 | | C-TR,CSD1306E |
| | 87-026-609-080 | | TR,KTA1266GR |
| | 87-A30-257-080 | | C-TR,2SD1306E |
| | 87-A30-107-070 | | C-TR,CMBT5401 |
| | 87-A30-190-080 | | TR,CC5551 |
| | 87-A30-097-010 | | TR,FN1016 |
| | 87-A30-098-010 | | TR,FP1016 |
| | 87-A30-106-070 | | C-TR,CMBT5551 |
| | 87-A30-186-010 | | FET,2SK3053 |
| | 87-A30-072-080 | | C-TR,RT1P 144C |
| | 87-026-236-080 | | C-TR,DTC124EK |
| | 87-026-232-080 | | C-TR,DTA144WK |
| | 87-026-608-080 | | C-TR,DTC123JK |
| | 89-112-965-080 | | TR,2SA1296GR |
| | 87-A30-087-080 | | C-FET,2SK2158 |
| | 89-327-143-080 | | TR,2SC2714O |
| | 87-A30-196-080 | | TR,2SC4115SRS |
| DIODE | | | |
| | 87-020-465-080 | | DIODE,1SS133 |
| | 87-A40-291-080 | | DIODE,1N4148M (CPT) |
| | 87-A40-345-080 | | ZENER,MTZJ10C |
| | 87-A40-269-080 | | C-DIODE,MC2836 |
| | 87-A40-115-060 | | DIODE,RS603M |
| | 87-A40-270-080 | | C-DIODE,MC2838 |
| | 87-A40-004-080 | | ZENER,MTZJ16A |
| | 87-A40-335-080 | | ZENER,MTZJ11C T-72 |
| | 87-A40-224-010 | | DIODE,GBU8DL |
| | 87-070-274-080 | | DIODE,1N4003 SEM |
| | 87-A40-435-080 | | ZENER,MTZJ30D |
| | 87-A40-347-080 | | ZENER,MTZJ2.2B |
| | 87-A40-646-010 | | DIODE,FMB-G16L |
| | 87-070-136-080 | | ZENER,MTZJ5.1B |
| | 87-A40-344-080 | | ZENER,MTZJ6.2C |
| | 87-A40-488-080 | | DIODE,1SS244 |
| | 87-A40-348-080 | | ZENER,MTZJ3.3A |
| | 87-A40-438-080 | | ZENER,MTZJ4.7A |
| | 87-017-931-080 | | ZENER,MTZJ5.6B |
| | 87-017-148-080 | | ZENER,HZS6A1L |
| MAIN C.B | | | |
| C101 | 87-010-235-080 | | CAP,E 470-16 M SME |
| C102 | 87-010-235-080 | | CAP,E 470-16 M SME |
| C103 | 87-010-384-080 | | CAP,E 100-25 M 11L SME |
| C104 | 87-010-382-080 | | CAP,E 22-25 M 11L SME |
| C105 | 87-010-247-080 | | CAP,E 22-25 M 11L SME |
| C106 | 87-010-384-080 | | CAP,E 100-25 M 11L SME |
| C107 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C108 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C109 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C110 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C111 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C112 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C113 | 87-016-658-090 | | CAP,E 4700-35 M SMG |
| C114 | 87-016-658-090 | | CAP,E 4700-35 M SMG |
| C115 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C116 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C117 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C118 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C119 | 87-A10-461-090 | | CAP,E 6800-71 SMG VB |
| C120 | 87-A10-461-090 | | CAP,E 6800-71 SMG VB |
| C121 | 87-010-260-080 | | CAP,E 47-25 M 11L SME |
| C122 | 87-010-403-080 | | CAP,E 3.3-50 M 11L SME |
| C123 | 87-010-385-080 | | CAP,E 220-25 M SME |
| C124 | 87-010-385-080 | | CAP,E 220-25 M SME |
| C125 | 87-010-247-080 | | CAP,E 100-50 M SME |
| C126 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C127 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C128 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C131 | 87-010-544-080 | | CAP,E 0.1-50 M 11L SME |
| C133 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C135 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C136 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C143 | 87-A10-712-080 | | C-CAP,S 0.22-50 Z F |
| C144 | 87-A10-712-080 | | C-CAP,S 0.22-50 Z F |
| C149 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C150 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C153 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C154 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C155 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C156 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C157 | 87-010-408-080 | | CAP,E 47-50 M 11L SME |
| C158 | 87-010-248-080 | | CAP,E 220-10 M 11L SME |
| C159 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C169 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C170 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C171 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C172 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C173 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C174 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C175 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C203 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C204 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C205 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C206 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C209 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C210 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C211 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C212 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C215 | 87-A10-897-080 | | CAP,E 100-25 BP SME |
| C216 | 87-A10-897-080 | | CAP,E 100-25 BP SME |
| C217 | 87-A10-516-080 | | C-CAP,S 100P-200 J CH |
| C218 | 87-A10-516-080 | | C-CAP,S 100P-200 J CH |
| C221 | 87-016-526-080 | | C-CAP,S 0.47-16 BK |
| C222 | 87-016-526-080 | | C-CAP,S 0.47-16 BK |
| C223 | 87-010-402-080 | | CAP,E 2.2-50 M 11L SME |
| C224 | 87-010-402-080 | | CAP,E 2.2-50 M 11L SME |
| C225 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C226 | 87-016-251-080 | | CAP,E 220-16 M SMG |
| C227 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C228 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C229 | 87-016-251-080 | | CAP,E 220-16 M SMG |
| C230 | 87-A10-354-080 | | C-CAP,S 0.047-50 K B |
| C231 | 87-A10-354-080 | | C-CAP,S 0.047-50 K B |
| C285 | 87-010-186-080 | | C-CAP,S 4700P-50 K B C2012 |
| C287 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C288 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C289 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C290 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C291 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C292 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C293 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C294 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C295 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C296 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C297 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C298 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C303 | 87-010-179-080 | | C-CAP,S 1200P-50 K B GRM |
| C304 | 87-010-179-080 | | C-CAP,S 1200P-50 K B GRM |
| C305 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C306 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C308 | 87-016-299-080 | | CAP,E 10-100 M SME |
| C309 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C310 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C311 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C312 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C315 | 87-A10-897-080 | | CAP,E 100-25 BP SME |
| C316 | 87-A10-897-080 | | CAP,E 100-25 BP SME |
| C317 | 87-A10-516-080 | | C-CAP,S 100P-200 J CH |
| C318 | 87-A10-516-080 | | C-CAP,S 100P-200 J CH |
| C321 | 87-016-526-080 | | C-CAP,S 0.47-16 BK |
| C322 | 87-016-526-080 | | C-CAP,S 0.47-16 BK |
| C323 | 87-010-402-080 | | CAP,E 2.2-50 M 11L SME |
| C324 | 87-010-402-080 | | CAP,E 2.2-50 M 11L SME |
| C325 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C327 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C328 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C330 | 87-A10-354-080 | | C-CAP,S 0.047-50 K B |
| C331 | 87-A10-354-080 | | C-CAP,S 0.047-50 K B |
| C334 | 87-A10-918-080 | | CAP,E 100-16 SMG |
| C335 | 87-A10-918-080 | | CAP,E 100-16 SMG |
| C336 | 87-A12-314-080 | | CAP,CER 47P-500 J SL |
| C385 | 87-010-186-080 | | C-CAP,S 4700P-50 K B C2012 |
| C391 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C392 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C393 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C394 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C395 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C396 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C402 | 87-010-181-080 | | C-CAP,S 1800P-50 K B GRM |
| C403 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C405 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C406 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C408 | 87-A10-897-080 | | CAP,E 100-25 BP SME |
| C409 | 87-A10-516-080 | | C-CAP,S 100P-200 J CH |
| C411 | 87-016-526-080 | | C-CAP,S 0.47-16 BK |
| C412 | 87-010-402-080 | | CAP,E 2.2-50 M 11L SME |
| C413 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C414 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C416 | 87-016-299-080 | | CAP,E 10-100 M SME |
| C420 | 87-A10-354-080 | | C-CAP,S 0.047-50 K B |
| C421 | 87-A12-314-080 | | CAP,CER 47P-500 J SL |
| C422 | 87-A12-314-080 | | CAP,CER 47P-500 J SL |
| C485 | 87-010-186-080 | | C-CAP,S 4700P-50 K B C2012 |
| C491 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C492 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C493 | 87-010-190-080 | | C-CAP,S 0.01-50 Z F C2012 |
| C501 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C502 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C503 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C504 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C511 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C512 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C513 | 87-010-260-080 | | CAP,E 47-25 M 11L SME |
| C514 | 87-010-260-080 | | CAP,E 47-25 M 11L SME |
| C515 | 87-010-370-080 | | CAP,E 330-6.3 M SME |
| C516 | 87-010-370-080 | | CAP,E 330-6.3 M SME |
| C517 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C518 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C519 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C520 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C531 | 87-010-213-080 | | C-CAP,S 0.015-25 K B GRM |
| C532 | 87-010-992-080 | | C-CAP,S 0.047-25 K B MK212 |
| C533 | 87-015-785-080 | | C-CAP, 0.1-25 Z F C3216 |
| C535 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C536 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C539 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C540 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C541 | 87-010-185-080 | | C-CAP,S 3900P-50 K B |
| C542 | 87-010-185-080 | | C-CAP,S 3900P-50 K B |
| C547 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C548 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C549 | 87-016-081-080 | | C-CAP,S 0.1-16 K R GRM |
| C550 | 87-016-081-080 | | C-CAP,S 0.1-16 K R GRM |
| C554 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C555 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C556 | 87-010-248-080 | | CAP,E 220-10 M 11L SME |
| C557 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C559 | 87-010-183-080 | | C-CAP,S 2700P-50 K B GRM |
| C560 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C561 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C562 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C565 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C566 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C605 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C606 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C701 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C702 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C723 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C726 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C745 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C746 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C901 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C902 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C903 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C904 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C905 | 87-010-406-080 | | CAP,E 22-50 M 11L SME |
| C906 | 87-010-260-080 | | CAP,E 47-25 M 11L SME |
| C907 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C908 | 87-010-387-080 | | CAP,E 470-25 M SME |
| C909 | 87-010-371-080 | | CAP,E 470-6.3 M SME |
| C910 | 87-010-371-080 | | CAP,E 470-6.3 M SME |
| C911 | 87-010-371-080 | | CAP,E 470-6.3 M SME |
| C912 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C913 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C914 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C915 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| CN110 | 87-A60-621-010 | | CONN,4P V 2MM JMT |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| CN501 | 87-A60-039-010 | | CONN,32P V 9604S-32C |
| CN502 | 87-A60-054-010 | | CONN,14P V 9604S-14C |
| CN503 | 87-A60-056-010 | | CONN,12P V 9604S-12C |
| CN504 | 87-099-574-010 | | CONN,20P TUC-P20P-B1 |
| CN505 | 87-A60-189-010 | | CONN,16P V TUC-P16P-B1 |
| CN901 | 87-A60-619-010 | | CONN,2P V 2MM JMT |
| J201 | 87-A60-199-010 | | TERMINAL,SP 8P CJ-9034-07 V0 |
| J301 | 87-A60-200-110 | | TERMINAL,SP 6P CJ-9033-21-3 V0 |
| J501 | 87-099-609-010 | | JACK,PIN 4P BLK W/O SW |
| J502 | 87-099-609-010 | | JACK,PIN 4P BLK W/O SW |
| J715 | 87-A60-244-010 | | JACK,PIN 1P BLK W/O SW |
| J901 | 87-099-911-010 | | JACK,PIN 3P YEL W/O SW |
| J902 | 87-099-912-010 | | JACK,PIN 3P YEL W/O SW W/E |
| J903 | 87-099-911-010 | | JACK,PIN 3P YEL W/O SW |
| J904 | 87-099-911-010 | | JACK,PIN 3P YEL W/O SW |
| J905 | 87-099-911-010 | | JACK,PIN 3P YEL W/O SW |
| L291 | 87-003-383-010 | | COIL,1UH K |
| L292 | 87-003-383-010 | | COIL,1UH K |
| L293 | 87-003-383-010 | | COIL,1UH K |
| L294 | 87-003-383-010 | | COIL,1UH K |
| L391 | 87-003-383-010 | | COIL,1UH K |
| L392 | 87-003-383-010 | | COIL,1UH K |
| L491 | 87-003-383-010 | | COIL,1UH K |
| L901 | 87-005-239-080 | | COIL,100UH K LAL03 |
| ⚠ PR101 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR104 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR201 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR202 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR301 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR302 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR401 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR402 | 87-026-691-080 | | FUSE,10A 125V 251 |
| R109 | 87-029-060-080 | | RES,FUSE 33-1/4W J |
| R143 | 87-A00-261-080 | | RES,M/F 0.56-1W J |
| R176 | 87-A00-401-050 | | RES,M/F 390-1W J VTP |
| R179 | 87-A00-402-050 | | RES,M/F 560-1W J VTP |
| R211 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R212 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R231 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R232 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R233 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R234 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R281 | 87-A00-373-050 | | RES,M/F 270-1W J VTP |
| R282 | 87-A00-373-050 | | RES,M/F 270-1W J VTP |
| R283 | 87-A00-373-050 | | RES,M/F 270-1W J VTP |
| R284 | 87-A00-373-050 | | RES,M/F 270-1W J VTP |
| R331 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R332 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R333 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R334 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R416 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R417 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R424 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R590 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R611 | 87-A00-571-050 | | RES,M/F 0.15-2W J RZ |
| R902 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| R905 | 87-010-317-080 | | C-CAP,S 39P-50 J CH |
| RY281 | 87-A91-686-010 | | RELAY, G5PA-28(OMRON) |
| RY481 | 87-A91-686-010 | | RELAY, G5PA-28(OMRON) |
| RY801 | 87-A91-686-010 | | RELAY, G5PA-28(OMRON) |
| S291 | 87-A90-174-010 | | SW,PUSH 2-2-2 R2121382ES |
| S292 | 87-A90-174-010 | | SW,PUSH 2-2-2 R2121382ES |
| TH201 | 87-A91-081-080 | | C-THMS,100K-K 20P |
| TH202 | 87-A91-081-080 | | C-THMS,100K-K 20P |
| TH301 | 87-A91-081-080 | | C-THMS,100K-K 20P |
| TH302 | 87-A91-081-080 | | C-THMS,100K-K 20P |
| TH401 | 87-A91-081-080 | | C-THMS,100K-K 20P |
| W3 | 8A-AR3-654-010 | | CONN ASSY,9P VH |
| WH101 | 87-A90-510-010 | | HLDR,WIRE 2.5-9P |

FRONT C.B

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C707 | 87-010-382-040 | | CAP,E 22-25 M 11L SME |
| C708 | 87-010-382-040 | | CAP,E 22-25 M 11L SME |
| C709 | 87-010-382-040 | | CAP,E 22-25 M 11L SME |
| C710 | 87-010-382-040 | | CAP,E 22-25 M 11L SME |
| C711 | 87-010-263-040 | | CAP,E 100-10 M 11L SME |
| C712 | 87-010-382-040 | | CAP,E 22-25 M 11L SME |
| C714 | 87-010-560-040 | | CAP,E 10-50 M 5L MA |
| C715 | 87-010-318-080 | | C-CAP,S 47P-50 J CH GRM |
| C716 | 87-010-318-080 | | C-CAP,S 47P-50 J CH GRM |
| C717 | 87-010-318-080 | | C-CAP,S 47P-50 J CH GRM |
| C718 | 87-015-699-040 | | CAP,E 10-50 M 7L SRA |
| C719 | 87-015-699-040 | | CAP,E 10-50 M 7L SRA |
| C720 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C721 | 87-010-318-080 | | C-CAP,S 47P-50 J CH GRM |
| C722 | 87-010-318-080 | | C-CAP,S 47P-50 J CH GRM |
| C723 | 87-010-405-040 | | CAP,E 10-50 M 11L SME |
| C801 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C802 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C803 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C805 | 87-012-141-080 | | C-CAP,S 0.22-16 Z F C2012 |
| C806 | 87-010-400-040 | | CAP,E 0.47-50 M 11L SME |
| C807 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C808 | 87-010-498-040 | | CAP,E 10-16 M 5L SRE |
| C809 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C810 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C811 | 87-A10-189-040 | | CAP,E 220-10 M 5L |
| C812 | 87-A10-189-040 | | CAP,E 220-10 M 5L |
| C814 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C816 | 87-010-312-080 | | C-CAP,S 15P-50 J CH GRM |
| C817 | 87-012-155-080 | | C-CAP,S 180P-50 J CH GRM |
| C818 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C819 | 87-012-156-080 | | C-CAP,S 220P-50 J CH GRM |
| C820 | 87-012-156-080 | | C-CAP,S 220P-50 J CH GRM |
| C821 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C822 | 87-010-182-080 | | C-CAP,S 2200P-50 K B C2012 |
| C823 | 87-010-182-080 | | C-CAP,S 2200P-50 K B C2012 |
| C824 | 87-010-182-080 | | C-CAP,S 2200P-50 K B C2012 |
| C825 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C826 | 87-010-405-040 | | CAP,E 10-50 M 11L SME |
| C827 | 87-010-198-080 | | C-CAP,S 0.022-25 K B C2012 |
| C828 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C829 | 87-012-156-080 | | C-CAP,S 220P-50 J CH GRM |
| C830 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C831 | 87-A10-189-040 | | CAP,E 220-10 M 5L |
| C832 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C833 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C834 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C835 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C836 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C837 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C838 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C839 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C840 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C841 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C842 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C843 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C844 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C845 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C846 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C849 | 87-012-368-080 | | C-CAP,S 0.1-50 Z F |
| C850 | 87-010-408-040 | | CAP,E 47-50 M 11L SME |
| C852 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C853 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C854 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C855 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C856 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C857 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C858 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C859 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C860 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C861 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C862 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C864 | 87-012-157-080 | | C-CAP,S 330P-50 J CH GRM |
| C866 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C901 | 87-018-203-080 | | CAP,TC U 8200P-16 N Y UP050 |
| CN801 | 87-A60-079-010 | | CONN,08P H 9604S-08F |
| CN801 | 88-908-101-110 | | FF-CABLE, 8P 1.25 100MM |
| CN802 | 87-A60-064-010 | | CONN,32P H 9604S-32F |
| CN802 | 8A-AR3-643-010 | | FF-CABLE,32P 1.25 430MM |
| CN803 | 87-099-755-010 | | CONN,14P H 9604 |
| CN803 | 8A-AR2-645-010 | | FF-CABLE,14P 1.25 380MM |
| CN805 | 87-A60-076-010 | | CONN,12P H 9604S-12F |
| CN805 | 88-912-101-110 | | FF-CABLE, 12P 1.25 100MM |
| FL801 | 8A-AR1-602-010 | | FL,BJ759GK |
| L801 | 87-A50-434-010 | | COIL,CLK 4.19M(TOKO) |
| LED703 | 87-A40-317-010 | | LED,SLR-342VCT31 RED |
| LED704 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED705 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED706 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED707 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED708 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED709 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED710 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED711 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| LED712 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| S801 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S802 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S806 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S807 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S808 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S809 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S812 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S813 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S814 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S816 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S817 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| SW801 | 87-A91-646-010 | | SW,RTRY EC12E12204 |
| SW802 | 87-A91-647-010 | | SW,RTRY EC12E12504 |

DIGITAL C.B

| | | | |
|---|---|---|---|
| C100 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C101 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C102 | 87-010-374-080 | | CAP,E 47-10 M 11L SME |
| C105 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C106 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C107 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C108 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C109 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C110 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C111 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C112 | 87-010-404-080 | | CAP,E 4.7-50 M 11L SME |
| C113 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C114 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C115 | 87-010-374-080 | | CAP,E 47-10 M 11L SME |
| C118 | 87-010-402-080 | | CAP,E 2.2-50 M 11L SME |
| C119 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C120 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C121 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C122 | 87-010-311-080 | | C-CAP,S 12P-50 J CH GRM |
| C123 | 87-010-313-080 | | C-CAP,S 18P-50 J CH GRM |
| C125 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C126 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C127 | 87-010-101-080 | | CAP,E 220-16 M SME |
| C128 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C129 | 87-010-101-080 | | CAP,E 220-16 M SME |
| C131 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C132 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C133 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C135 | 87-010-101-080 | | CAP,E 220-16 M SME |
| C136 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C137 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C138 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C139 | 87-010-314-080 | | C-CAP,S 22P-50 J CH GRM |
| C140 | 87-010-552-040 | | CAP,E 22-16 M 5L SRE |
| C141 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C142 | 87-010-182-080 | | C-CAP,S 2200P-50 K B C2012 |
| C143 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C144 | 87-010-312-080 | | C-CAP,S 15P-50 J CH GRM |
| C145 | 87-012-154-080 | | C-CAP,S 150P-50 J CH GRM |
| C146 | 87-012-154-080 | | C-CAP,S 150P-50 J CH GRM |
| C147 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C148 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C149 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C150 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C151 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C152 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C153 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C154 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C155 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C156 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C157 | 87-012-154-080 | | C-CAP,S 150P-50 J CH GRM |
| C158 | 87-012-154-080 | | C-CAP,S 150P-50 J CH GRM |
| C159 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C160 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C161 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C162 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C163 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C164 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C165 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C166 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C167 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C168 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C169 | 87-012-154-080 | | C-CAP,S 150P-50 J CH GRM |
| C170 | 87-012-154-080 | | C-CAP,S 150P-50 J CH GRM |
| C171 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C172 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C173 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C174 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C175 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C176 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C177 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C178 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C179 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C180 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C181 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C182 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C183 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C184 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C185 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C186 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C187 | 87-016-083-080 | | C-CAP,S 0.15-16 K R |
| C188 | 87-016-083-080 | | C-CAP,S 0.15-16 K R |
| C189 | 87-016-083-080 | | C-CAP,S 0.15-16 K R |
| C190 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C191 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C192 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C193 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C194 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C195 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C196 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C197 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C198 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C199 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C201 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C202 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C203 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C204 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C205 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C206 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C207 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C208 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C209 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C210 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C211 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C212 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C213 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C214 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C215 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C216 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C219 | 87-010-993-080 | | C-CAP,S 0.056-25 K B MK212 |
| C220 | 87-A10-369-080 | | C-CAP,S 0.47-16 K B |
| C221 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C222 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C223 | 87-010-154-080 | | C-CAP,S 10P-50 D CH GRM |
| C224 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C227 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C228 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C233 | 87-A12-314-080 | | CAP,CER 47P-500 J SL |
| C234 | 87-A12-314-080 | | CAP,CER 47P-500 J SL |
| C236 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C237 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C238 | 87-010-314-080 | | C-CAP,S 22P-50 J CH GRM |
| C239 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C240 | 87-010-314-080 | | C-CAP,S 22P-50 J CH GRM |
| C241 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C242 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C243 | 87-012-156-080 | | C-CAP,S 220P-50 J CH GRM |
| C245 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C253 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C255 | 87-010-378-080 | | CAP,E 10-16 M 11L SME |
| C268 | 87-010-197-080 | | C-CAP,S 0.01-25 K B C2012 |
| C272 | 87-010-186-080 | | C-CAP,S 4700P-50 K B C2012 |
| C273 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C275 | 87-010-263-080 | | CAP,E 100-10 M 11L SME |
| C278 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C280 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C281 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C282 | 87-010-322-080 | | C-CAP,S 100P-50 J CH GRM |
| C292 | 87-010-314-080 | | C-CAP,S 22P-50 J CH GRM |
| C301 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C302 | 87-010-762-080 | | CAP,E 220-10 M SME |
| C317 | 87-016-462-080 | | C-CAP,S 1-16 Z F |
| C318 | 87-016-462-080 | | C-CAP,S 1-16 Z F |
| C336 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C337 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C338 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C339 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C340 | 87-010-405-080 | | CAP,E 10-50 M 11L SME |
| C341 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C342 | 87-010-180-080 | | C-CAP,S 1500P-50 K B C2012 |
| C343 | 87-010-180-080 | | C-CAP,S 1500P-50 K B C2012 |
| C344 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C402 | 87-018-211-080 | | CAP,TC U 0.01-50 Z F SA |
| C403 | 87-010-401-080 | | CAP,E 1-50 M 11L SME |
| C406 | 87-018-119-080 | | CAP,TC U 100P-50 K B UP050 |
| C407 | 87-018-119-080 | | CAP,TC U 100P-50 K B UP050 |
| C408 | 87-018-132-080 | | CAP,TC U 2200P-16 N X UP050 |
| C409 | 87-018-132-080 | | CAP,TC U 2200P-16 N X UP050 |
| C411 | 87-018-131-080 | | CAP,TC U 1000P-50 K B UP050 |
| C412 | 87-A10-207-080 | | CAP,TC U 0.01-50 K B UP050 |
| C413 | 87-018-209-080 | | CAP,TC U 0.1-50 Z F UP050 |
| C847 | 87-015-699-040 | | CAP,E 10-50 M 7L SRA |
| C848 | 87-010-405-040 | | CAP,E 10-50 M 11L SME |
| CN101 | 87-099-563-010 | | CONN,20P TUC-P20X-B1 |
| CN102 | 87-A60-190-010 | | CONN,16P H TUC-P16X-B1 |
| CN103 | 88-AR1-658-010 | | CONN ASSY,2P (AC-3) |
| CN105 | 87-A60-060-010 | | CONN,07P V 9604S-07C |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| FB103 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| FB104 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| FB105 | 87-008-474-080 | | F-BEAD, BL02RN1-R62T2 EMI |
| FB108 | 87-008-474-080 | | F-BEAD, BL02RN1-R62T2 EMI |
| FB110 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| FB111 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| FB112 | 87-005-212-080 | | COIL,220UH K EL0606 |
| J101 | 87-A60-573-010 | | JACK,PIN 1P ORN |
| JR121 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| JW177 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| L102 | 87-A50-095-010 | | COIL,68UH RCR875D |
| L104 | 87-008-501-080 | | FLTR, DSS306-55 |
| L106 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| L107 | 87-008-501-080 | | FLTR, DSS306-55 |
| X102 | 87-A70-243-010 | | VIB,XTAL 24.576MHZ |

VOLUME C.B

| | | | |
|---|---|---|---|
| C601 | 87-010-195-080 | | C-CAP,S 0.068-25 Z F C2012 |
| C602 | 87-010-195-080 | | C-CAP,S 0.068-25 Z F C2012 |
| C603 | 87-010-195-080 | | C-CAP,S 0.068-25 Z F C2012 |
| C604 | 87-010-195-080 | | C-CAP,S 0.068-25 Z F C2012 |
| C605 | 87-010-195-080 | | C-CAP,S 0.068-25 Z F C2012 |
| C606 | 87-010-805-080 | | C-CAP,S 1-16 Z F |
| C607 | 87-010-178-080 | | C-CAP,S 1000P-50 K B C2012 |
| C608 | 87-010-186-080 | | C-CAP,S 4700P-50 K B C2012 |
| C610 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C611 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C612 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C613 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C614 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C615 | 87-010-196-080 | | C-CAP,S 0.1-25 Z F C2012 |
| C634 | 87-010-374-080 | | CAP,E 47-10 M 11L SME |
| C635 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| CN601 | 87-A60-076-010 | | CONN,12P H 9604S-12F |
| CN601 | 88-912-161-110 | | FF-CABLE,12P 1.25 160MM |
| CN603 | 87-A60-080-010 | | CONN,07P H 9604S-07F |
| CN603 | 88-907-401-110 | | FF-CABLE, 7P 1.25 400MM |
| S601 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| S602 | 87-A90-095-080 | | SW,TACT EVQ11G04M |
| SW601 | 87-A91-645-010 | | SW,RTRY EC12E24304NON-CLICK |

VIDEO C.B

| | | | |
|---|---|---|---|
| C501 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C502 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C503 | 87-010-188-080 | | C-CAP,S 6800P-50 K B C2012 |
| C504 | 87-010-188-080 | | C-CAP,S 6800P-50 K B C2012 |
| C507 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| CN604 | 87-099-201-010 | | CONN,8P H BLK 6216 |
| CN605 | 8A-AR3-652-010 | | CONN ASSY,2P -VIDEO 3 |
| FB501 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| FB602 | 87-008-372-080 | | FLTR,EMI BL01 RN1 |
| J501 | 87-A60-606-010 | | JACK,PIN 3P R/W/Y W/O SW H |
| J603 | 87-A60-550-010 | | JACK,DIA6.3 BLK ST W/SW KM |

PT C.B

| | | | |
|---|---|---|---|
| C1 | 87-010-387-080 | | CAP,E 470-25 M SME |
| C2 | 87-010-403-080 | | CAP,E 3.3-50 M 11L SME |
| C3 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C4 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C5 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| ⚠ C7 | 87-A10-922-090 | | CAP,CER 0.01-250 M F KH |
| CN101 | 88-805-042-690 | | CONN ASSY,4P |
| CN103 | 87-A61-057-010 | | CONN,9P V THL-P09P-A1 |
| ⚠ F101 | 87-035-494-010 | | FUSE,10A 125V T 237 |
| ⚠ FC101 | 87-A90-160-080 | | FUSE CLAMP,FC 51F |
| ⚠ FC102 | 87-A90-160-080 | | FUSE CLAMP,FC 51F |
| ⚠ PR1 | 87-A91-276-080 | | FUSE,125MA 125V F 251 |

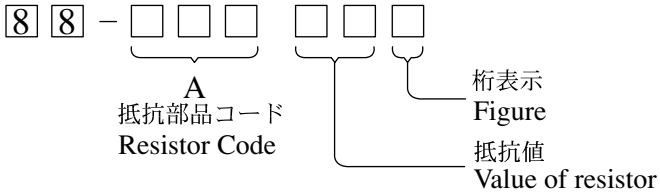
| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| ⚠ PR105 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PR106 | 87-026-691-080 | | FUSE,10A 125V 251 |
| ⚠ PT2 | 8Z-NF8-661-010 | | PT,SUB ZNF-8(U) |
| ⚠ PT101 | 8A-AR3-605-010 | | PT,AAR-3(U) |
| ⚠ RY1 | 87-A90-977-010 | | RELAY,AC12V DG12D1-O(M) |
| ⚠ T1 | 87-A60-317-010 | | TERMINAL, 1P MSC |
| ⚠ T2 | 87-A60-317-010 | | TERMINAL, 1P MSC |

TUNER C.B

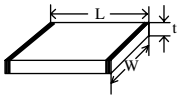
| | | | |
|---|---|---|---|
| C701 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C702 | 87-010-404-080 | | CAP, ELECT 4.7-50V |
| C703 | 87-012-286-080 | | CAP, U 0.01-25 |
| C704 | 87-012-286-080 | | CAP, U 0.01-25 |
| C709 | 87-012-195-080 | | C-CAP,U 100P-50CH |
| C711 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C712 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C713 | 87-012-286-080 | | CAP, U 0.01-25 |
| C714 | 87-012-286-080 | | CAP, U 0.01-25 |
| C717 | 87-012-286-080 | | CAP, U 0.01-25 |
| C719 | 87-012-286-080 | | CAP, U 0.01-25 |
| C721 | 87-012-176-080 | | CAP 15P |
| C722 | 87-012-176-080 | | CAP 15P |
| C723 | 87-012-274-080 | | CHIP CAP,U 1000P-50B |
| C725 | 87-012-274-080 | | CHIP CAP,U 1000P-50B |
| C727 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C728 | 87-010-248-080 | | CAP, ELECT 220-10V |
| C755 | 87-012-286-080 | | CAP, U 0.01-25 |
| C756 | 87-012-286-080 | | CAP, U 0.01-25 |
| C757 | 87-012-188-080 | | C-CAP,U 47P-50 CH |
| C758 | 87-012-167-080 | | C-CAP,U 5P-50 CH |
| C761 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C763 | 87-010-829-080 | | CAP, U 0.047-16 |
| C764 | 87-012-337-080 | | C-CAP,U 56P-50 CH |
| C765 | 87-012-286-080 | | CAP, U 0.01-25 |
| C769 | 87-010-408-080 | | CAP, ELECT 47-50 M 11L |
| C770 | 87-010-829-080 | | CAP, U 0.047-16 |
| C771 | 87-010-383-080 | | CAP, ELECT 33-25 M 11L |
| C772 | 87-010-829-080 | | CAP, U 0.047-16 |
| C773 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C774 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C775 | 87-010-404-080 | | CAP, ELECT 4.7-50V |
| C776 | 87-012-286-080 | | CAP, U 0.01-25 |
| C777 | 87-010-400-080 | | CAP, ELECT 0.47-50V |
| C778 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C779 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C780 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C781 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C782 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C783 | 87-012-286-080 | | CAP, U 0.01-25 |
| C784 | 87-012-286-080 | | CAP, U 0.01-25 |
| C785 | 87-010-805-080 | | CAP, S 1-16 |
| C786 | 87-010-805-080 | | CAP, S 1-16 |
| C787 | 87-012-280-080 | | CAP, U 3300P-50 |
| C788 | 87-012-280-080 | | CAP, U 3300P-50 |
| C789 | 87-012-275-080 | | C-CAP,U 1200P-50 B |
| C790 | 87-012-275-080 | | C-CAP,U 1200P-50 B |
| C791 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C793 | 87-012-273-080 | | C-CAP,U 820P-50 B |
| C794 | 87-010-406-080 | | CAP, ELECT 22-50 |
| C795 | 87-010-194-080 | | C-CAP,S 0.047-25 ZF |
| C796 | 87-010-403-080 | | CAP, ELECT 3.3-50V |
| C797 | 87-012-278-080 | | CAP, U 2200P-50 |
| C798 | 87-012-278-080 | | CAP, U 2200P-50 |
| C799 | 87-010-829-080 | | CAP, U 0.047-16 |
| C812 | 87-012-286-080 | | CAP, U 0.01-25 |
| C813 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C814 | 87-012-286-080 | | CAP, U 0.01-25 |
| C819 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C820 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C821 | 87-012-286-080 | | CAP, U 0.01-25 |
| C822 | 87-012-286-080 | | CAP, U 0.01-25 |
| C823 | 87-012-286-080 | | CAP, U 0.01-25 |
| C828 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C829 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C959 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C960 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C961 | 87-012-170-080 | | C-CAP,U 8P-50 CH |
| CF801 | 87-008-261-010 | | FILTER, SFE10.7MA5-A |
| CF802 | 87-008-261-010 | | FILTER, SFE10.7MA5-A |
| CN601 | 87-099-028-010 | | CONN,11P 6216 H |
| FFE801 | A8-8ZA-190-030 | | 8ZA-1 FEUNM |
| J801 | 87-A60-657-010 | | TERMINAL,4P HSP-154V5-02 |
| L771 | 87-A50-266-010 | | COIL,FM DET-2N(TOK) |
| L772 | 87-A90-733-010 | | FLTR,PCFAZH-450 |
| L781 | 87-005-847-080 | | COIL,2.2UH(CECS) |
| L791 | 87-A50-209-010 | | COIL,1 POLE MPX(MIT) |
| L792 | 87-A50-209-010 | | COIL,1 POLE MPX(MIT) |
| L832 | 87-005-847-080 | | COIL,2.2UH(CECS) |
| L981 | 87-NF4-650-010 | | COIL,AM PACK4N(TOK) |
| X721 | 87-A70-061-010 | | VIB,XTAL 4.500MHZ CSA-309 |

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



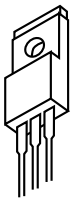

チップ抵抗
Chip resistor

| 容量 Wattage | 種類 Type | 許容誤差 Tolerance | 記号 Symbol | 寸法／Dimensions (mm) 外形／Form | L | W | t | 抵抗コード Resistor Code : A |
|---|---|---|---|---|---|---|---|---|
| 1/16W | 1005 | ± 5% | CJ |  | 1.0 | 0.5 | 0.35 | 104 |
| 1/16W | 1608 | ± 5% | CJ | | 1.6 | 0.8 | 0.45 | 108 |
| 1/10W | 2125 | ± 5% | CJ | | 2 | 1.25 | 0.45 | 118 |
| 1/8W | 3216 | ± 5% | CJ | | 3.2 | 1.6 | 0.55 | 128 |

## TRANSISTOR ILLUSTRATION

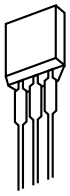
E C B

2SA1296
CC5551
KTA1266
KTC3198



B C E

2SB1370
FN1016
FP1016



E C B

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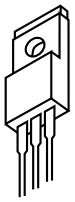
DTC114ES
KTA1267
KTC3199

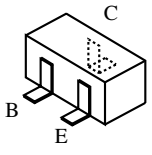
E C B

CSD1489



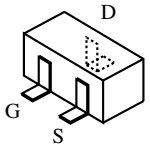
G D S

2SK3053




2SA1037
2SA1235
2SC2714
2SC3052
2SD1306
CMBT5401
CMBT5551
CSA1362

CSD1306
DTA144WK
DTC123JK
DTC124EK
RT1N141C
RT1N144C
RT1P141C
RT1P144C

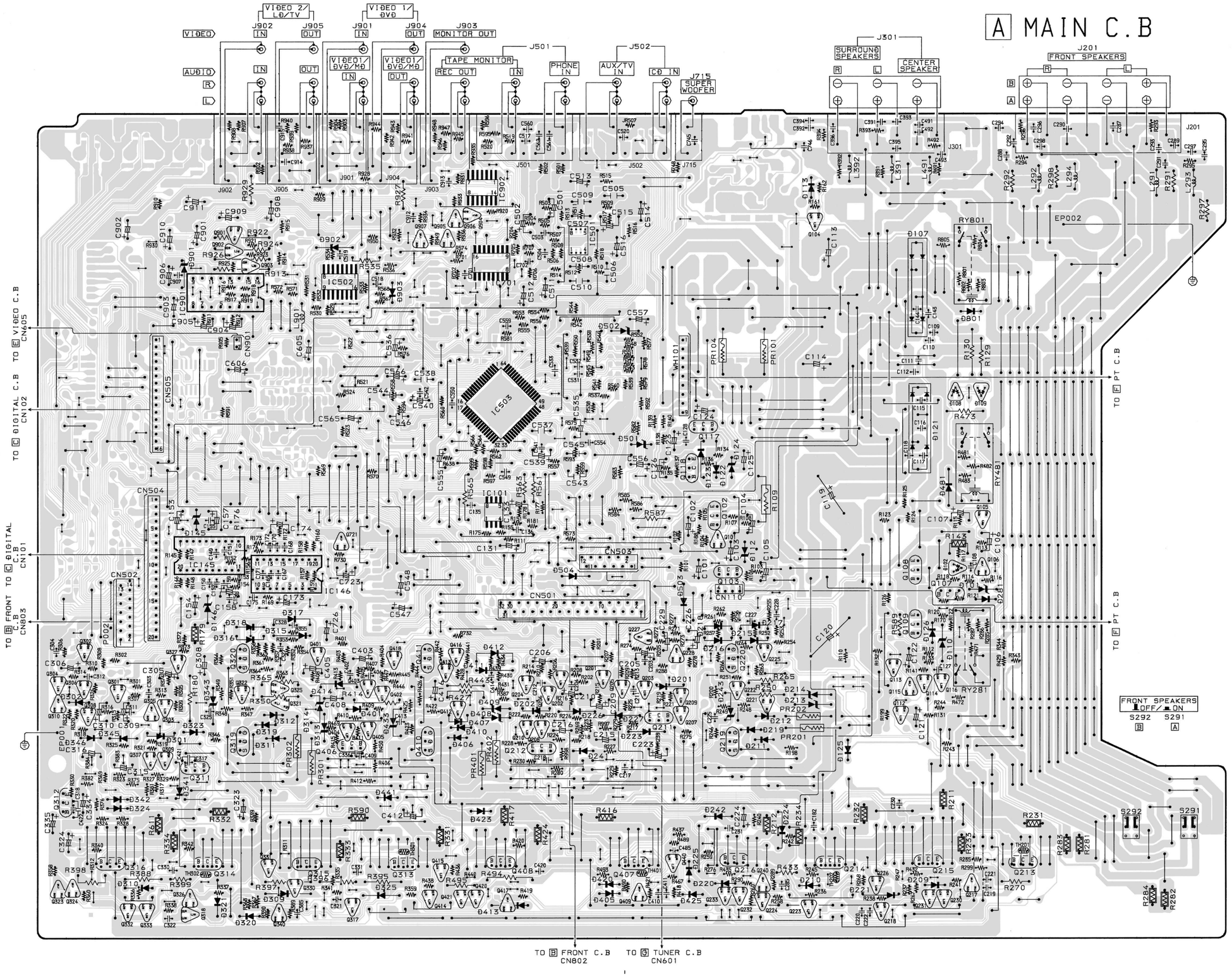



2SK2158

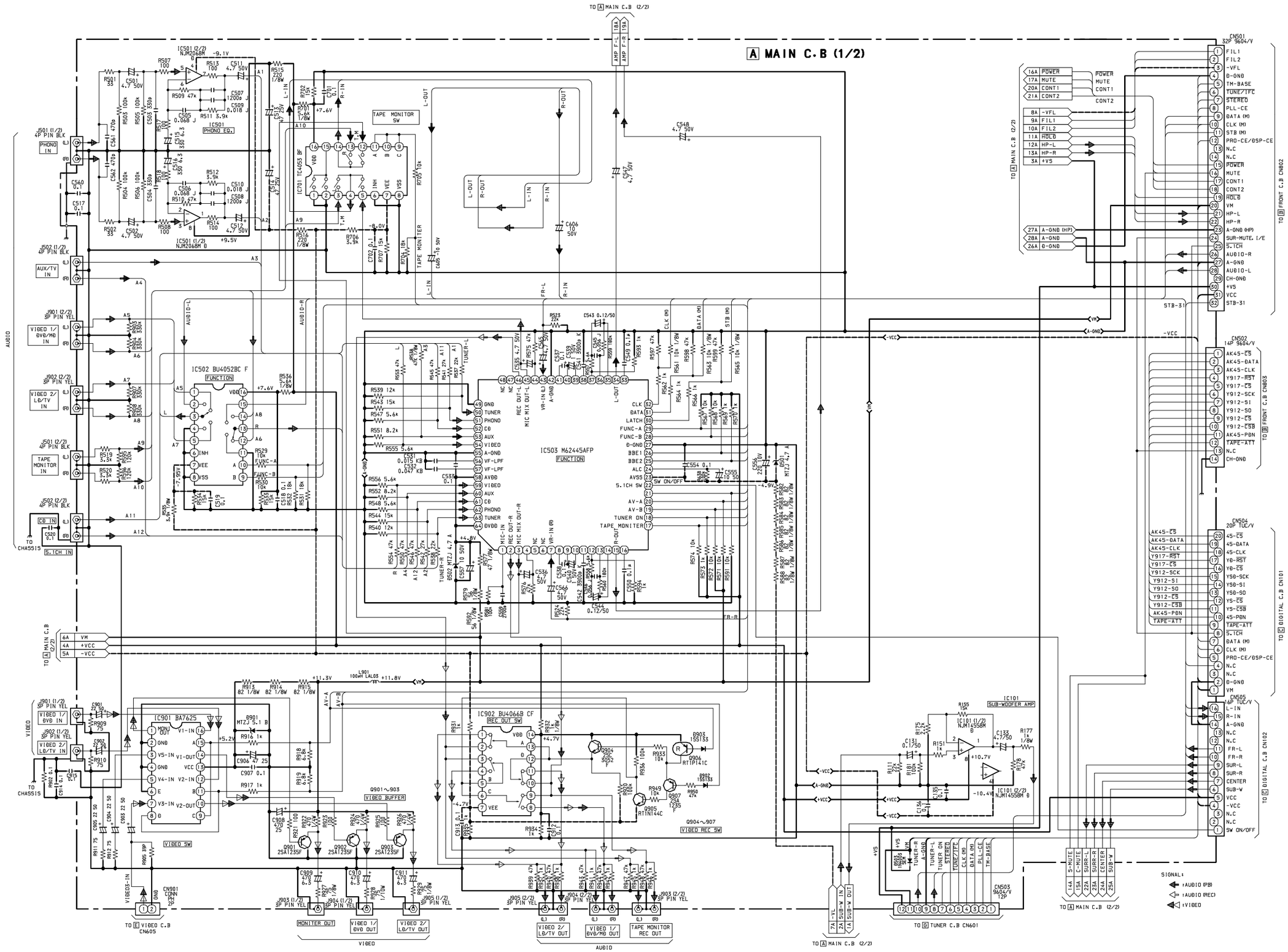
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

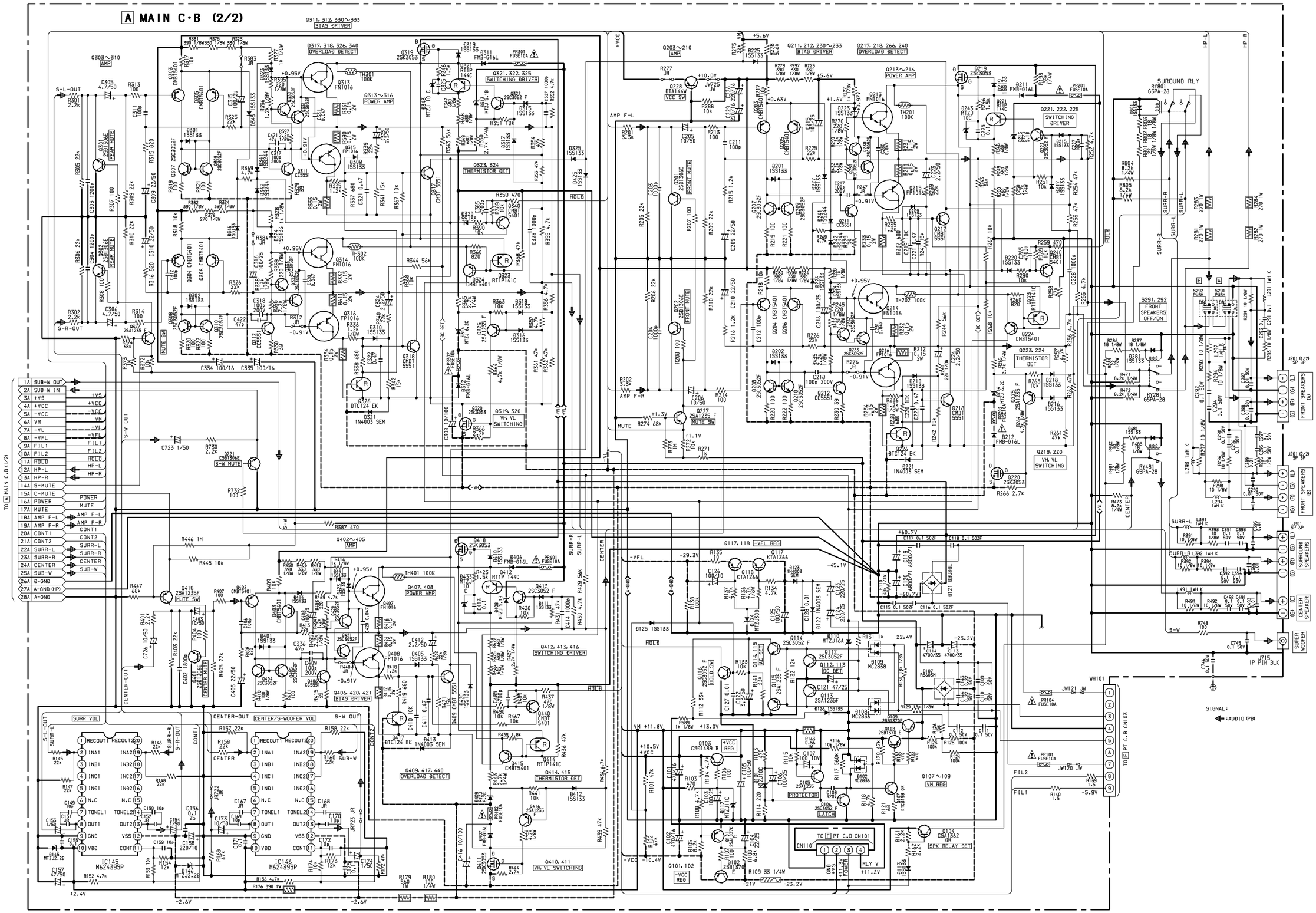
# A MAIN C.B

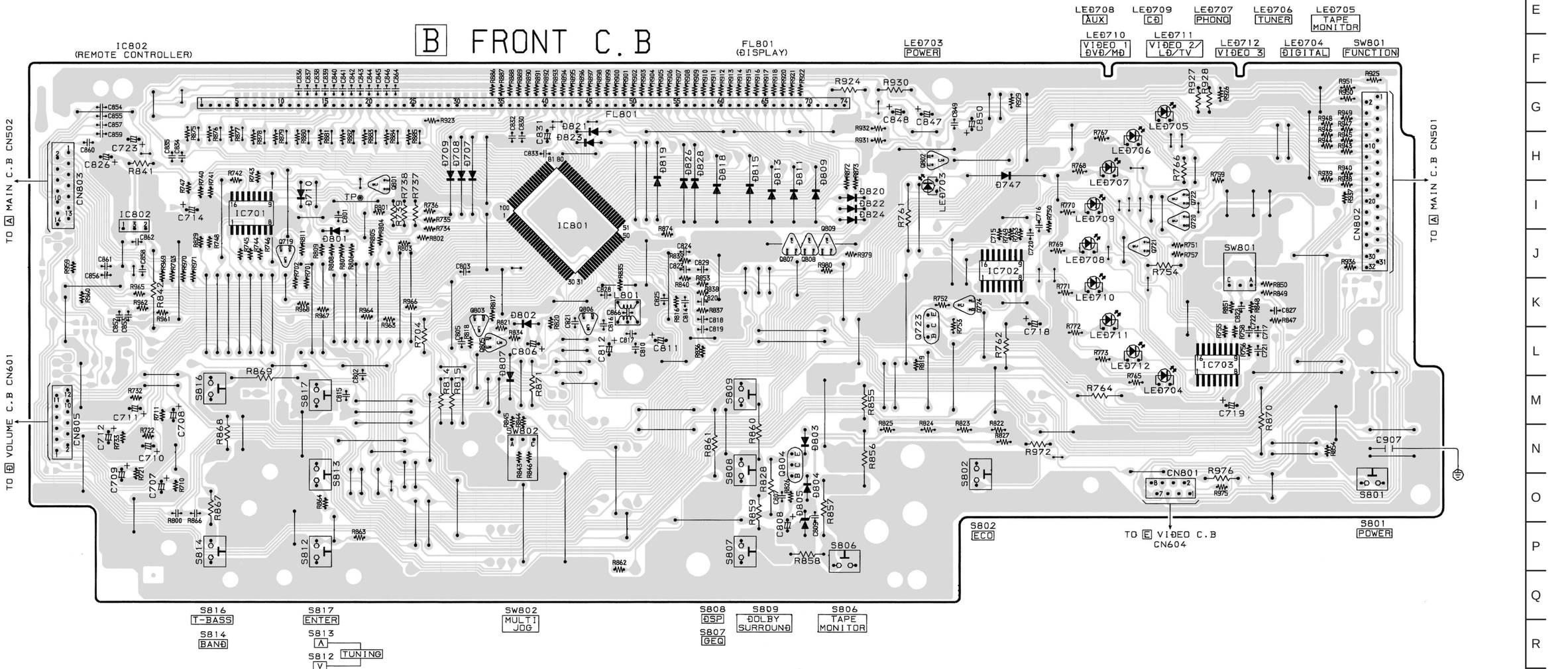


SCHEMATIC DIAGRAM – 1 (MAIN 1 / 2)

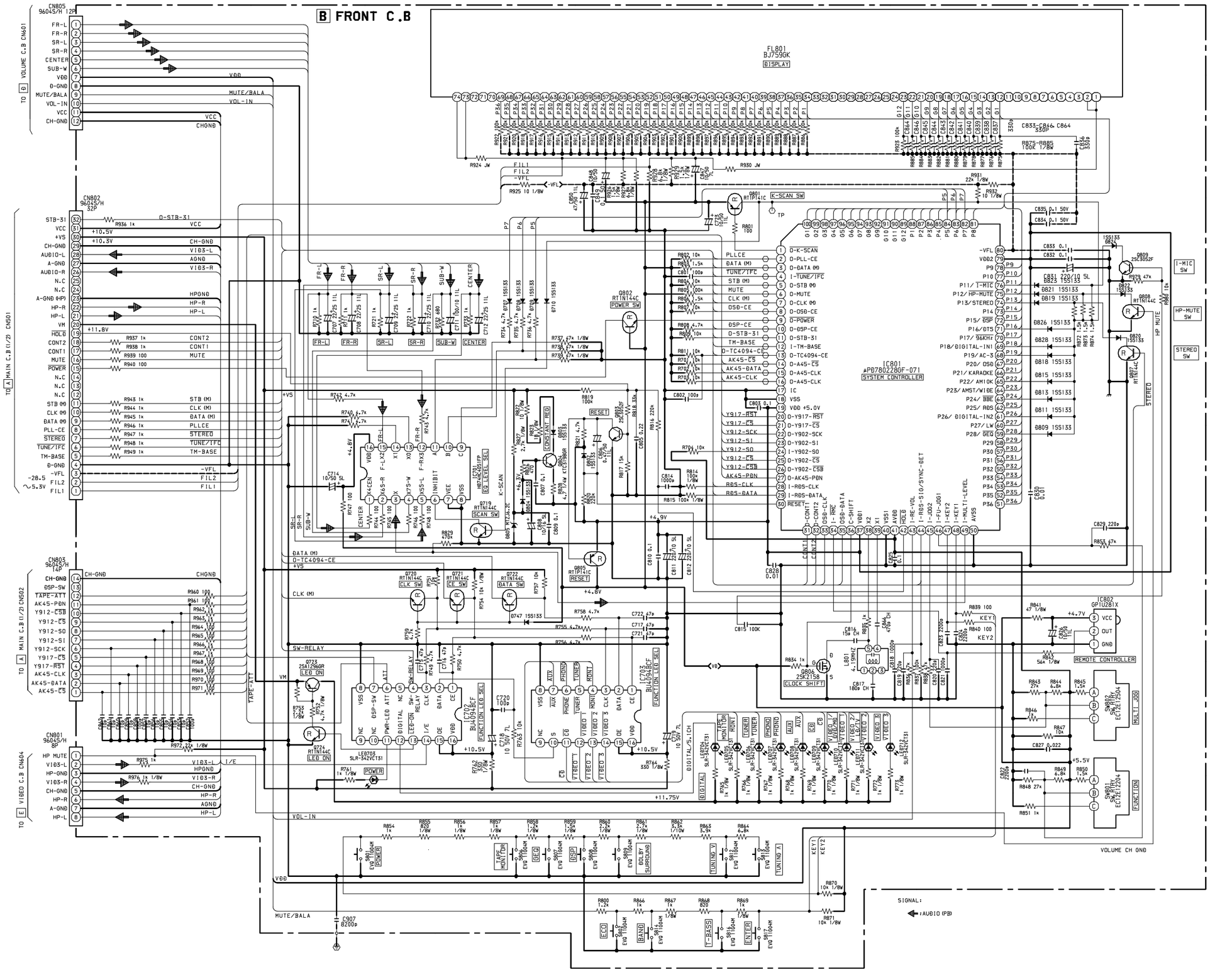


SCHEMATIC DIAGRAM – 2 (MAIN 2 / 2)




B FRONT C.B
IC802 (REMOTE CONTROLLER)
FL801 (DISPLAY)
LED703 POWER
LED708 AUX
LED709 CD
LED707 PHONO
LED706 TUNER
LED705 TAPE MONITOR
LED710 VIDEO 1 DVD/MD
LED711 VIDEO 2/LD/TV
LED712 VIDEO 3
LED704 DIGITAL
SW801 FUNCTION
TO A MAIN C.B CN502
TO A MAIN C.B CN501
TO D VOLUME C.B CN601
IC801
IC701
IC702
IC703
CN803
CN805
CN802
CN801
SW802 MULTI JOG
S816 T-BASS
S814 BAND
S817 ENTER
S813 A
S812 V
TUNING
S808 DSP
S807 GEQ
S809 DOLBY SURROUND
S806 TAPE MONITOR
S802 ECO
S801 POWER
TO E VIDEO C.B CN604

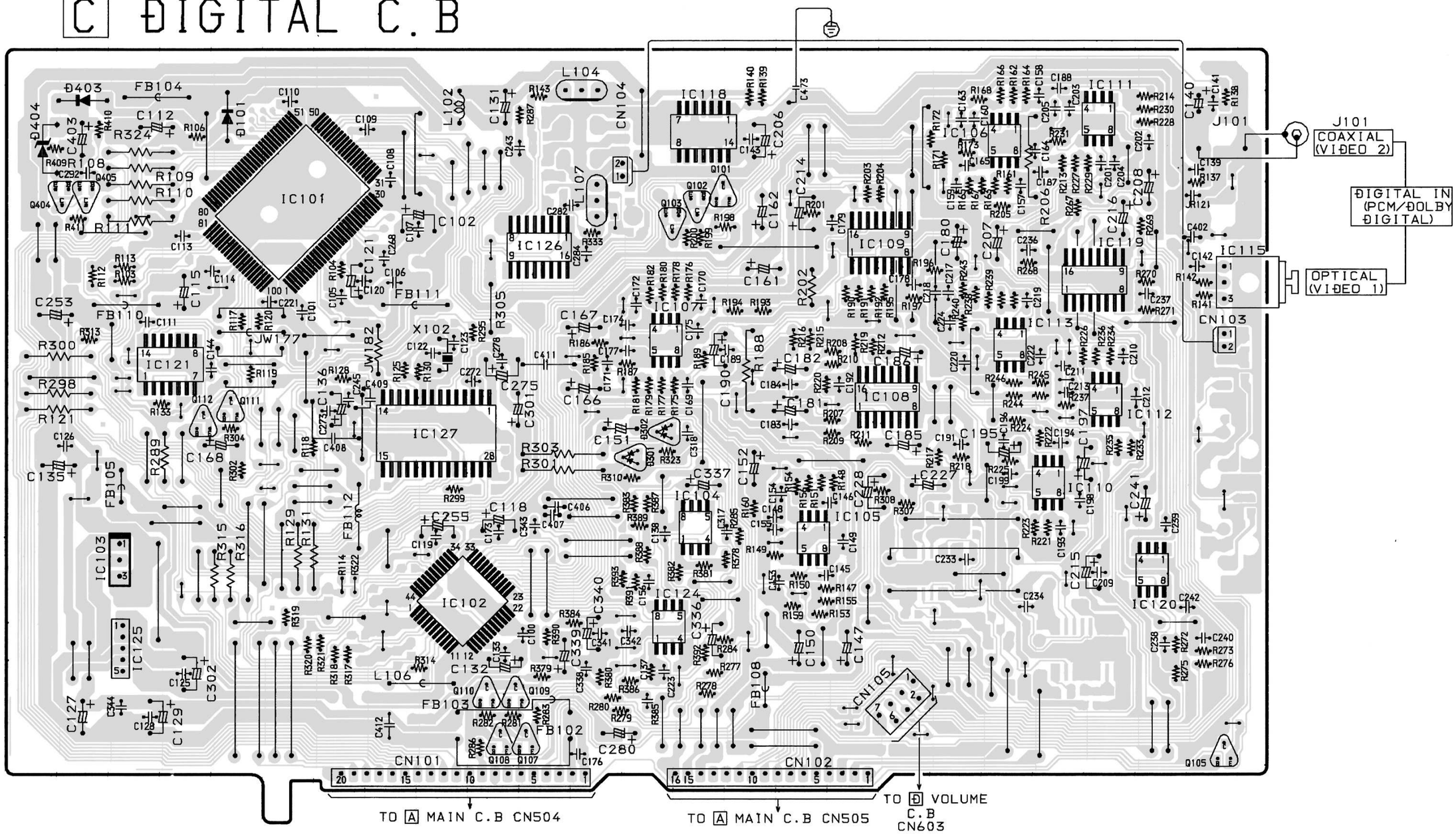
SCHEMATIC DIAGRAM – 3 (FRONT)



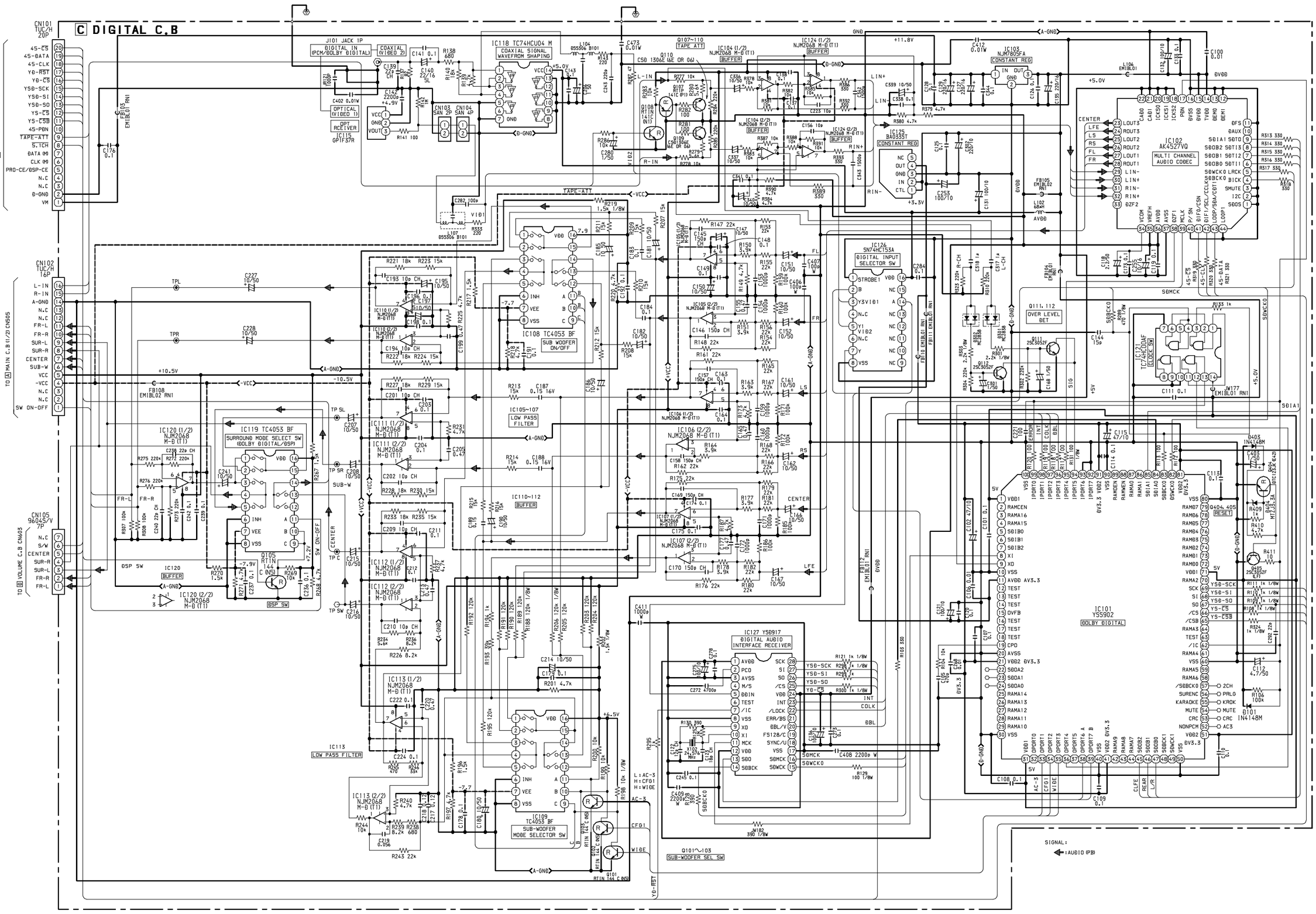
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

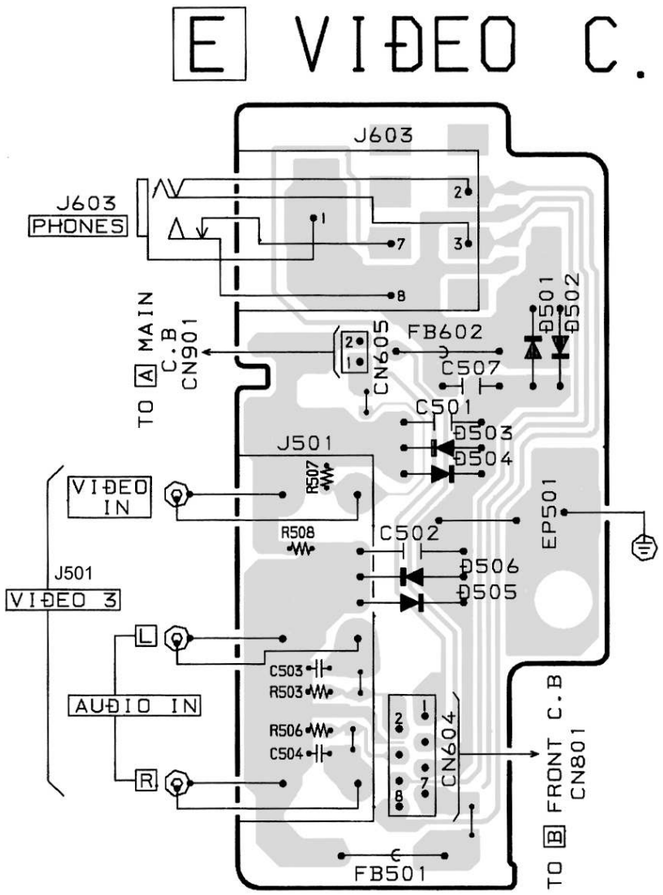
A B C D E F G H I J K L M N O P Q R S T U

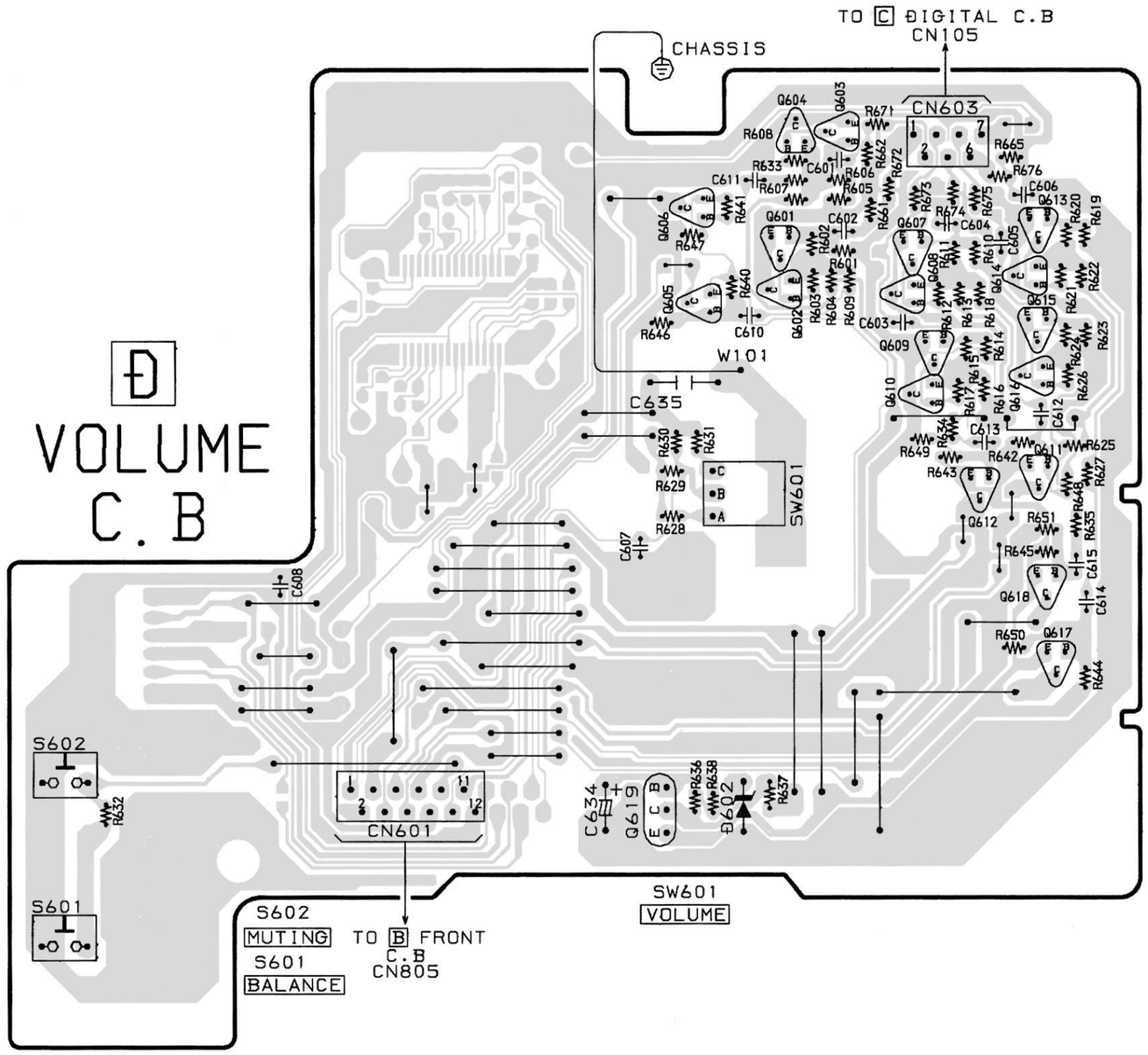
# C ĐIGITAL C.B



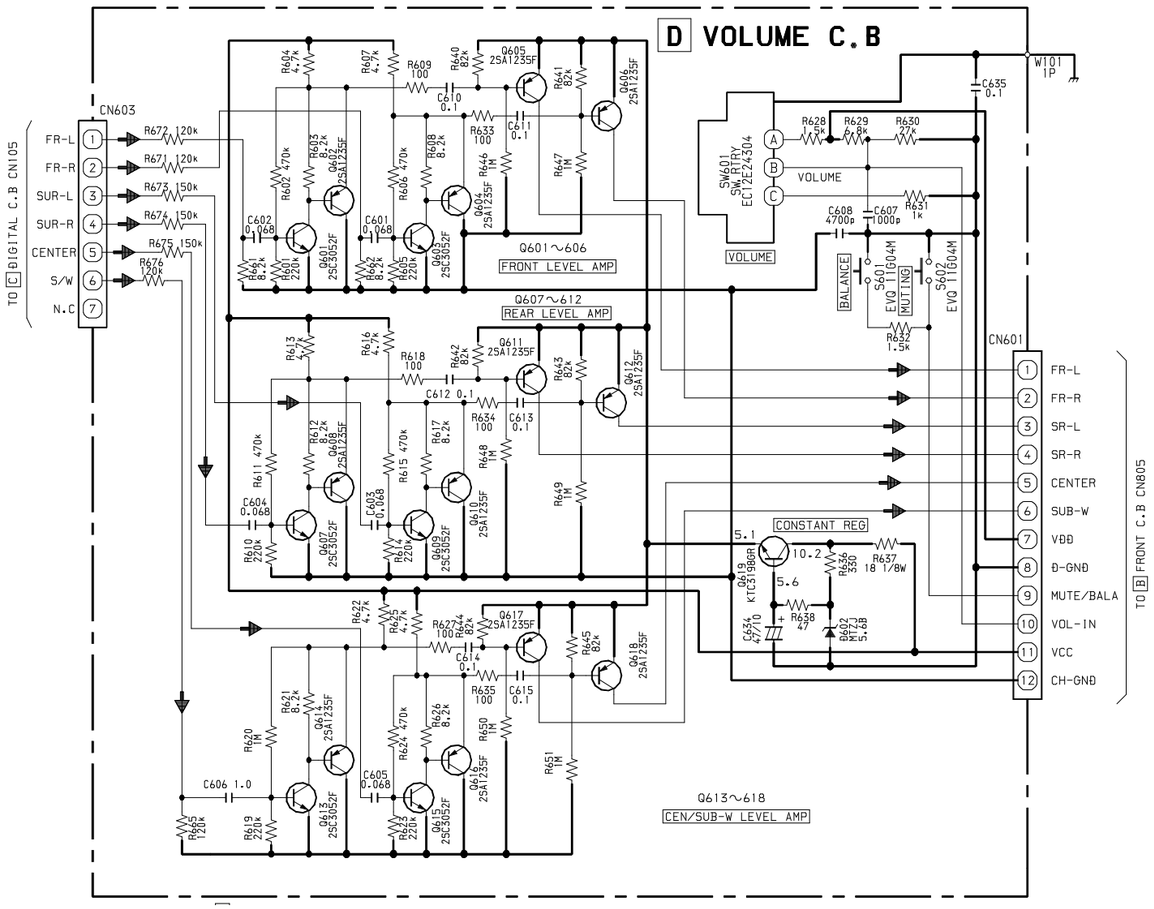
SCHEMATIC DIAGRAM – 4 (DIGITAL)

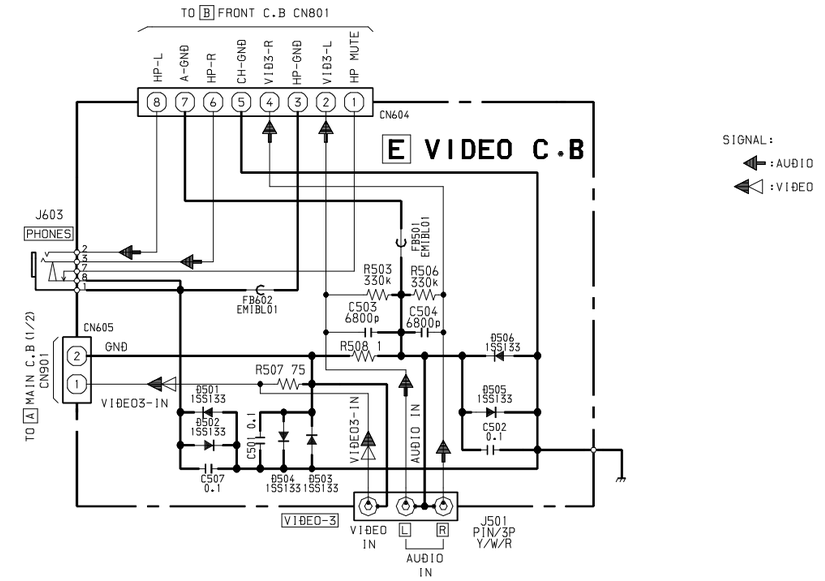


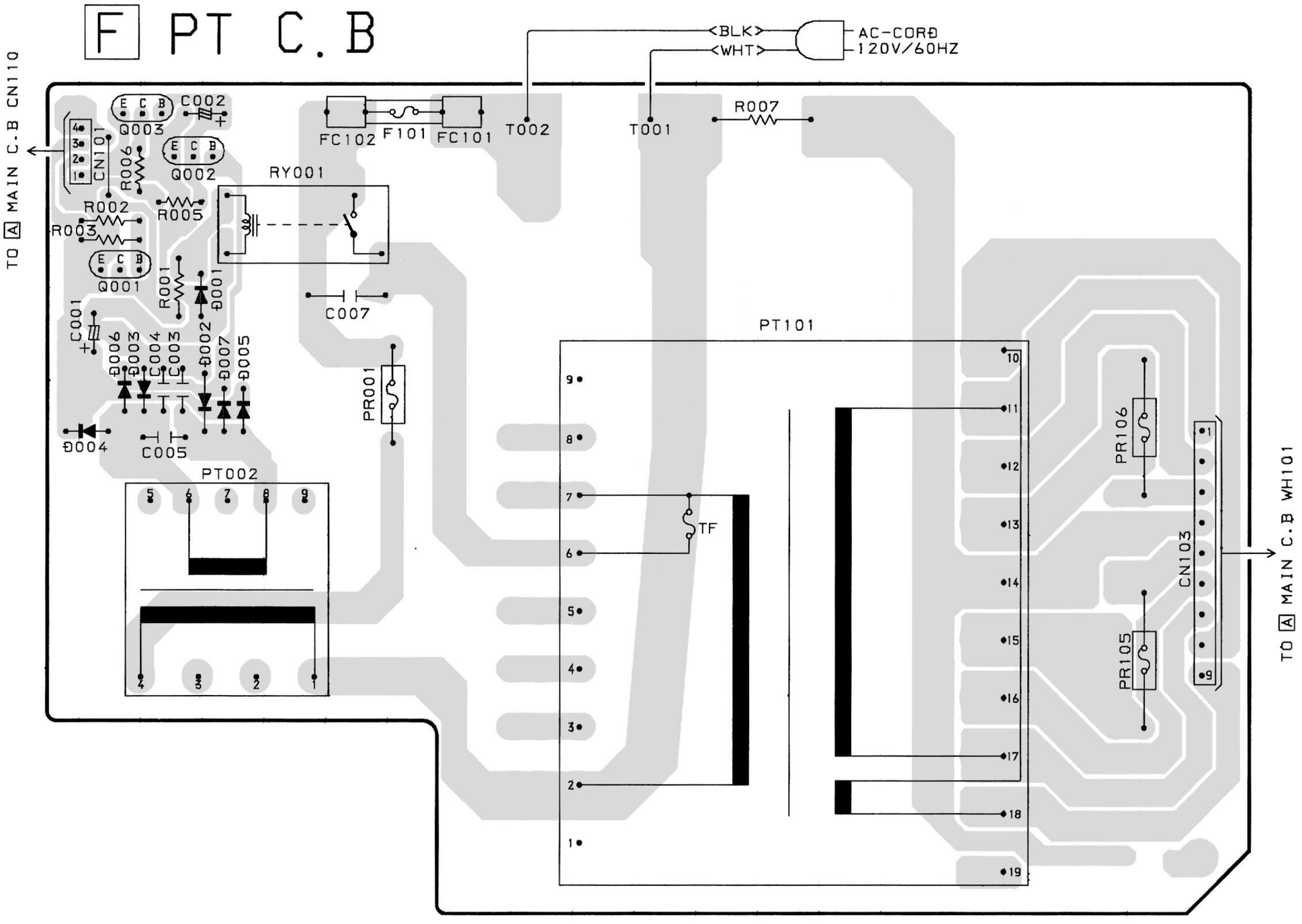

E VIÐEO C.B
J603
J603
PHONES
TO A MAIN C.B CN901
CN605
FB602
C507
D501
D502
C501
D503
D504
J501
VIÐEO IN
R507
R508
C502
D506
D505
EP501
J501
VIÐEO 3
L
AUÐIO IN
R
C503
R503
R506
C504
CN604
TO B FRONT C.B CN801
FB501


Ð
VOLUME C.B
TO C ÐIGITAL C.B CN105
CHASSIS
CN603
W101
C635
SW601
C607
C608
S602
R632
S601
CN601
S602
MUTING
S601
BALANCE
TO B FRONT C.B CN805
C634
Q619
R636
R638
Ð602
R637
SW601
VOLUME

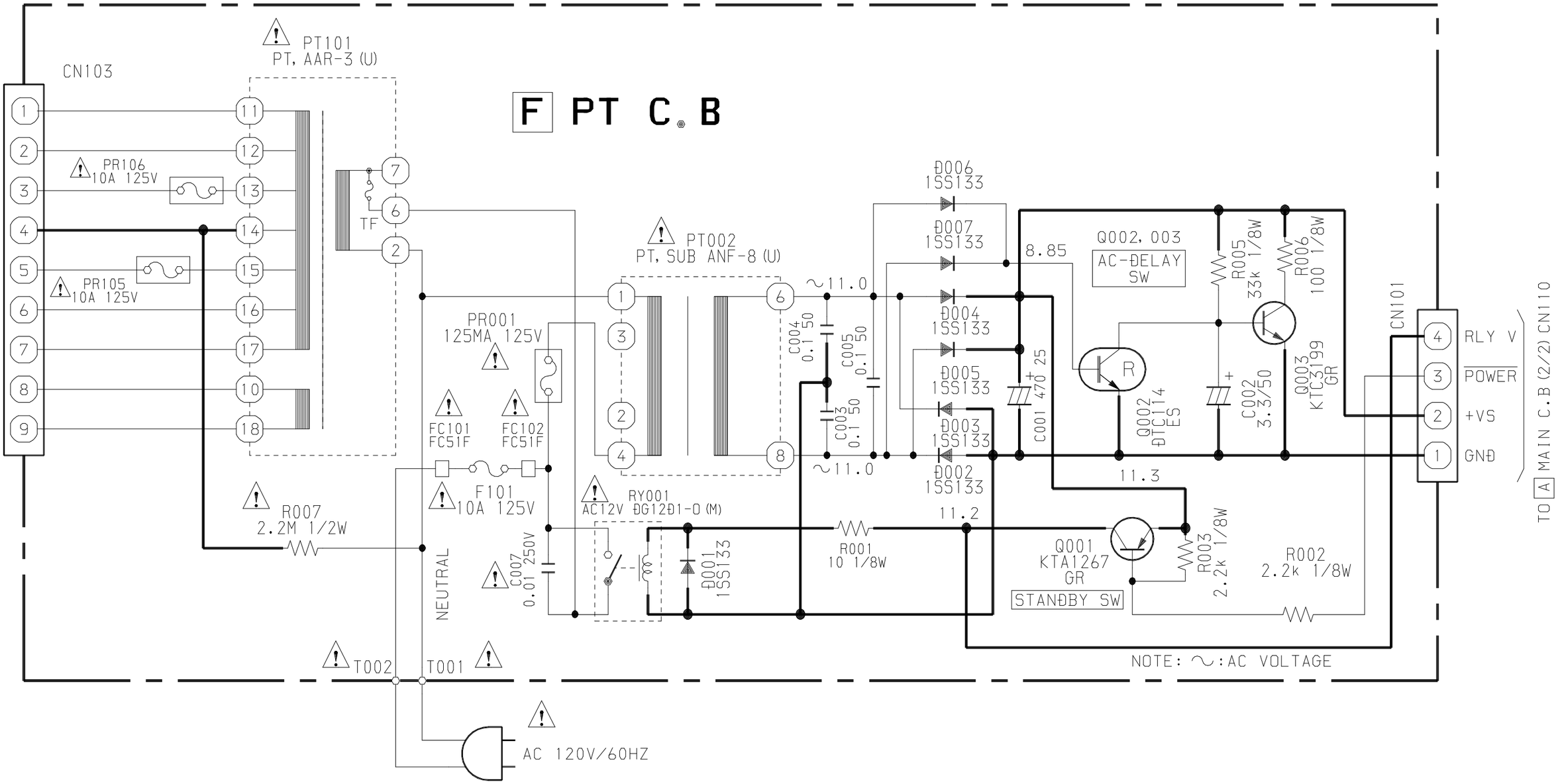
SCHEMATIC DIAGRAM – 5 (VOLUME / VIDEO)

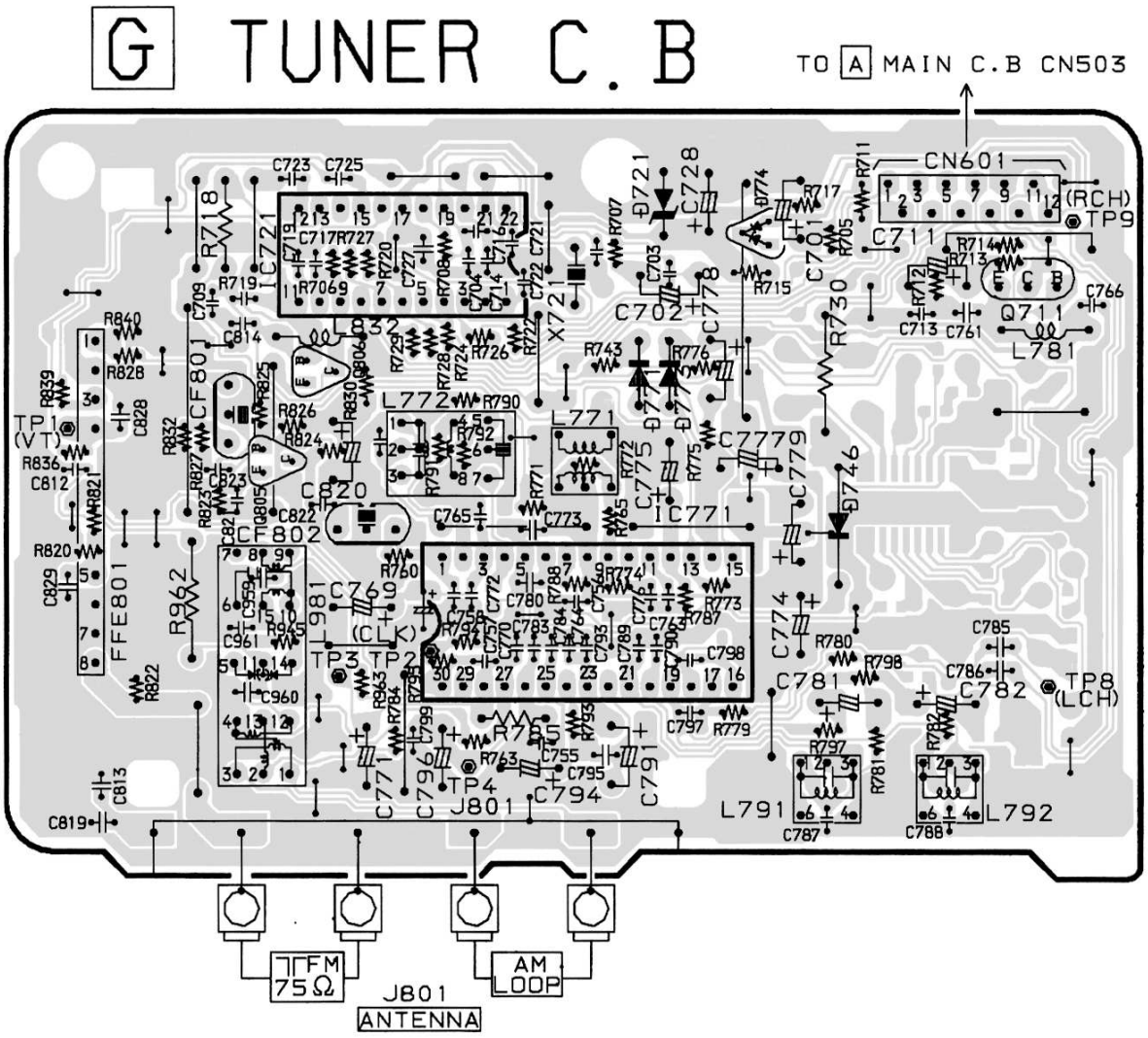


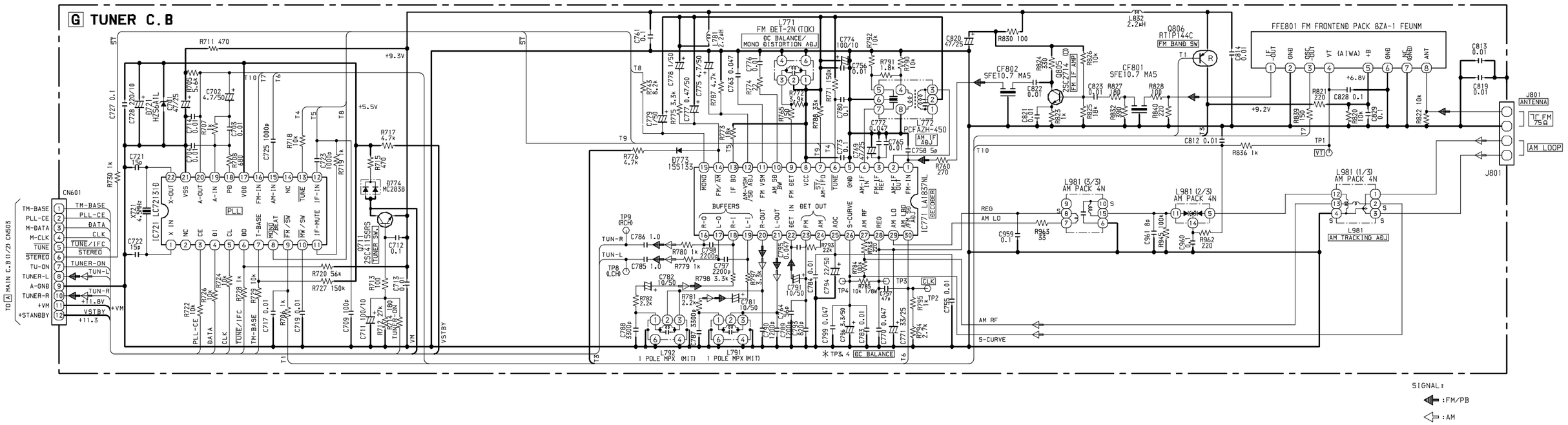

F PT C.B
TO A MAIN C.B CN110
<BLK>
<WHT>
AC-CORD
120V/60HZ
T002
T001
FC102
F101
FC101
R007
C002
Q003
Q002
CN101
R006
RY001
R002
R003
R005
Q001
R001
D001
C001
D006
D003
C004
C003
D002
D007
D005
D004
C005
C007
PR001
PT002
PT101
TF
PR106
PR105
CN103
TO A MAIN C.B WH101

SCHEMATIC DIAGRAM – 6 (PT)



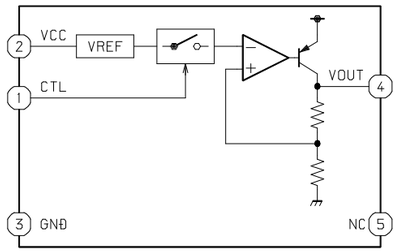

G TUNER C.B
TO A MAIN C.B CN503
CN601
(RCH)
TP9
(LCH)
TP8
TP1
(VT)
TP2
TP3
TP4
(CLK)
J801
ANTENNA
FM 75Ω
AM LOOP
IC721
IC771
X721
Q711
L781
L791
L792
L772
L771
CF801
CF802
FFE801

# SCHEMATIC DIAGRAM – 7 (TUNER)

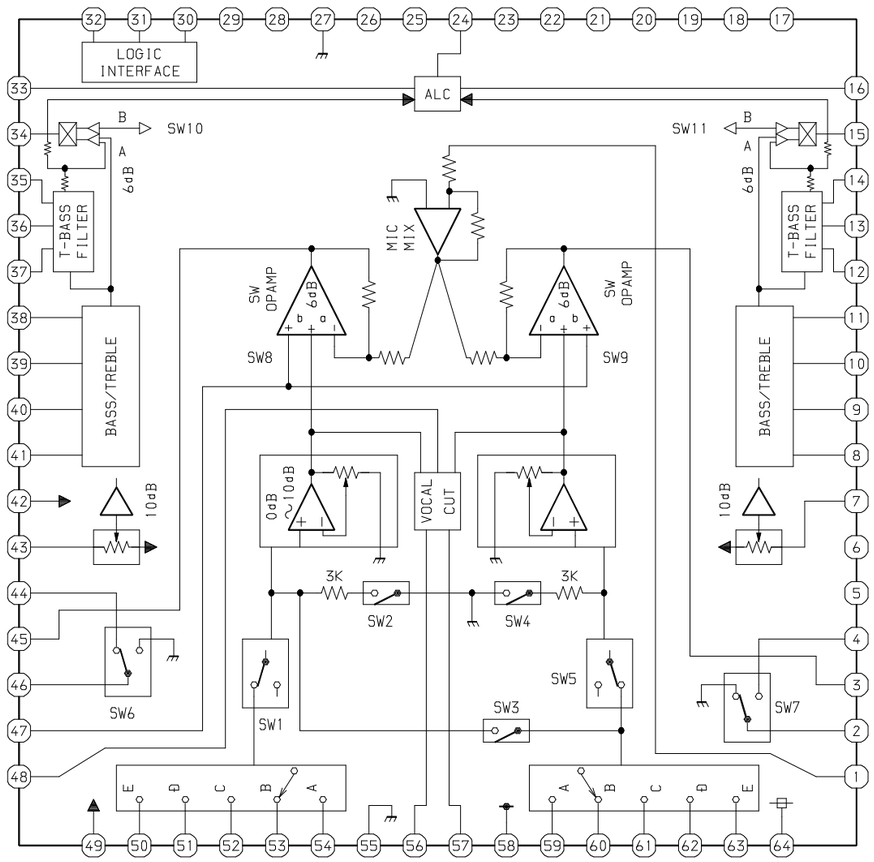


# IC BLOCK DIAGRAM

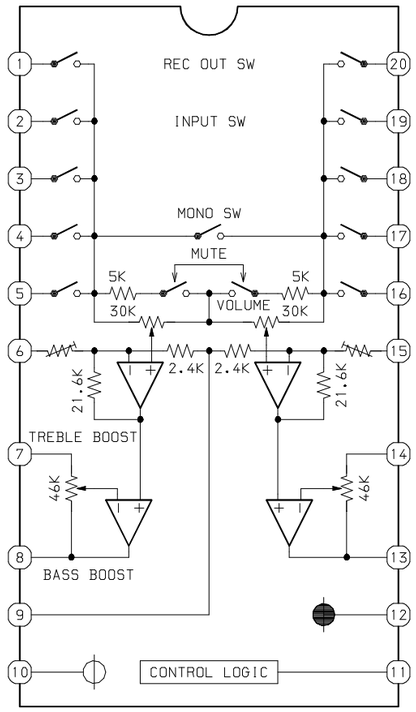
IC, BA033ST



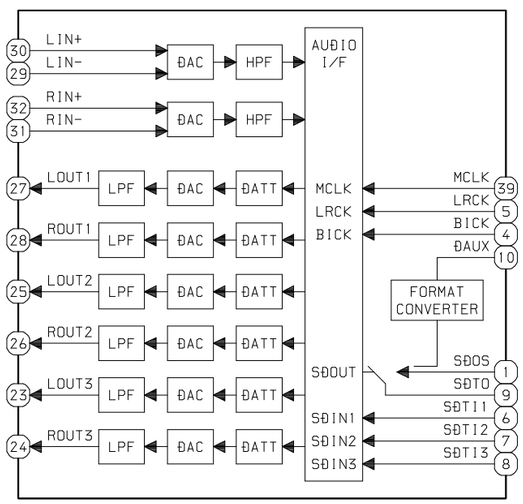

IC, M62445AFP



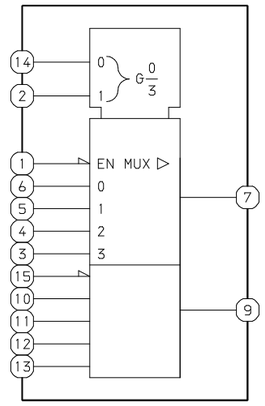

IC, M62439SP




IC, AK4527VQ




IC, SN74HC153A

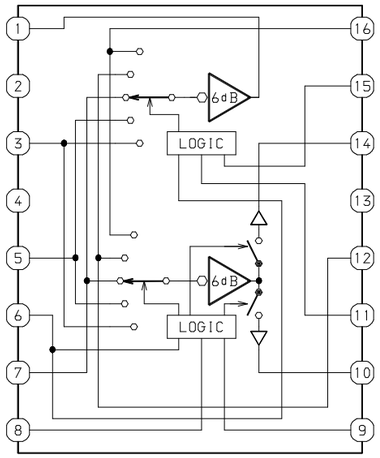



FUNCTION TABLE

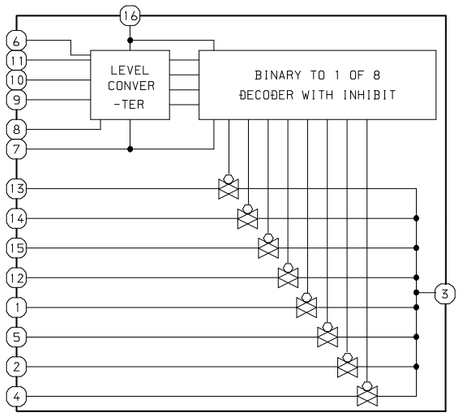
| INPUTS | | | | | | | OUTPUT |
|---|---|---|---|---|---|---|---|
| SELECT | | DATA | | | | $\overline{G}$ | Y |
| B | A | C0 | C1 | C2 | C3 | | |
| X | X | X | X | X | X | H | L |
| L | L | L | X | X | X | L | L |
| L | L | H | X | X | X | L | H |
| L | H | X | L | X | X | L | L |
| L | H | X | H | X | X | L | H |
| H | L | X | X | L | X | L | L |
| H | L | X | X | H | X | L | H |
| H | H | X | X | X | L | L | L |
| H | H | X | X | X | H | L | H |

H:HIGH LEVEL
L:LOW LEVEL
X:IRRELEVANT
SELECT INPUTS A AND B ARE COMMON TO BOTH SECTIONS.

## IC, BA7625




## IC, HD74HC4051FP

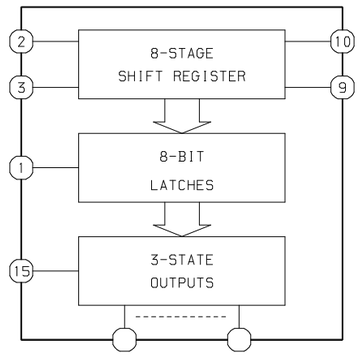



FUNCTION TABLE

| CONTROL INPUTS | | | | ON SWITCH |
|---|---|---|---|---|
| INHIBIT | SELECT | | | |
| | C | B | A | |
| L | L | L | L | X0 |
| L | L | L | H | X1 |
| L | L | H | L | X2 |
| L | L | H | H | X3 |
| L | H | L | L | X4 |
| L | H | L | H | X5 |
| L | H | H | L | X6 |
| L | H | H | H | X7 |
| H | X | X | X | —— |

H:HIGH VOLTAGE LEVEL
L:LOW VOLTAGE LEVEL
X:IMMATERIAL

## IC, BU4094BCF

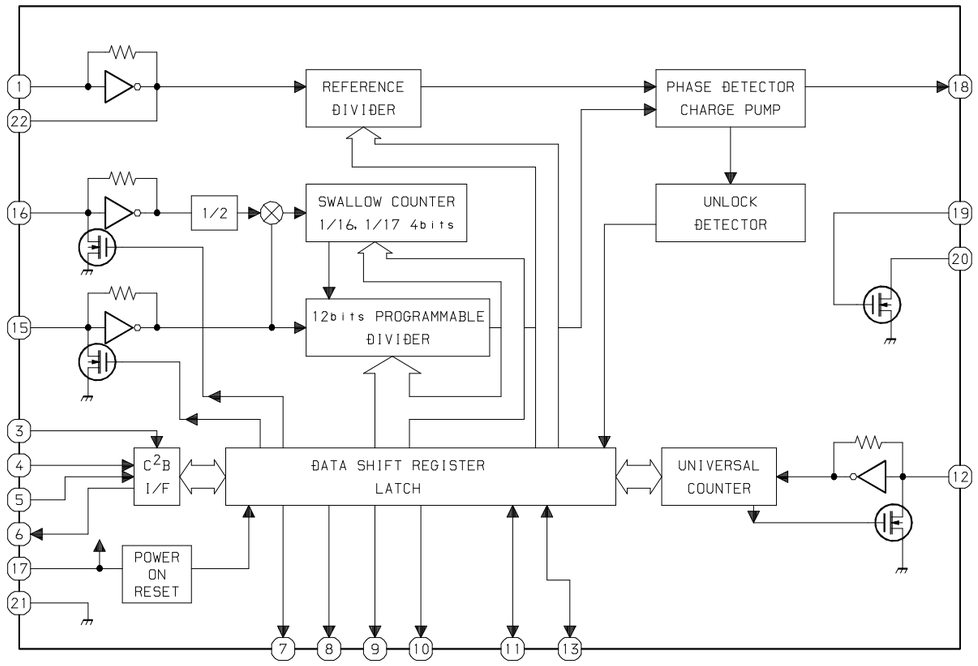



TRUTH TABLE

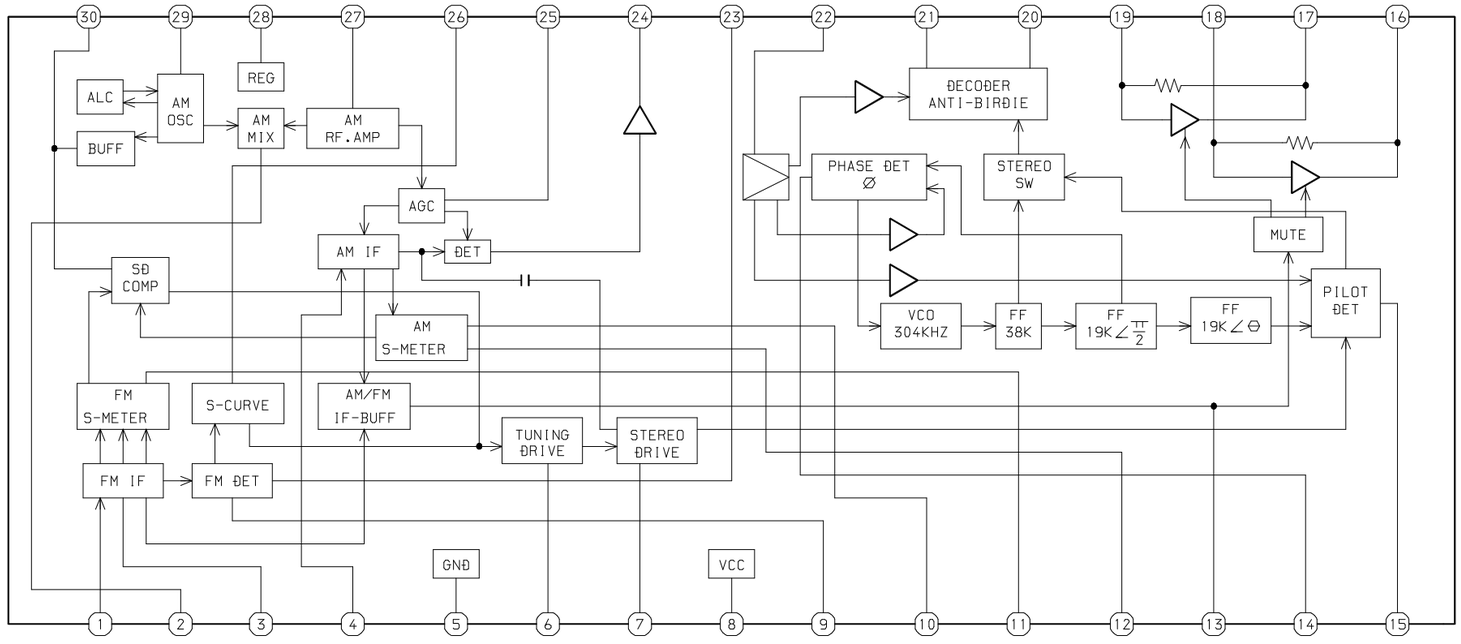
| CLOCK | OUTPUT ENABLE | STROBE | DATA | PARALLEL OUTPUTS | | SERIAL OUTPUTS | |
|---|---|---|---|---|---|---|---|
| | | | | Q1 | Qn | QS | Q'S |
| ↑ | L | × | × | Z | Z | Q7 | NO CHG. |
| ↓ | L | × | × | Z | Z | NO CHG. | QS |
| ↑ | H | L | × | NO CHG. | NO CHG. | Q7 | NO CHG. |
| ↑ | H | H | L | L | Qn-1 | Q7 | NO CHG. |
| ↑ | H | H | H | H | Qn-1 | Q7 | NO CHG. |
| ↓ | H | × | × | NO CHG. | NO CHG. | NO CHG. | QS |

Z = HIGH IMPEDANCE
× = DON'T CARE

## IC, LC72131D

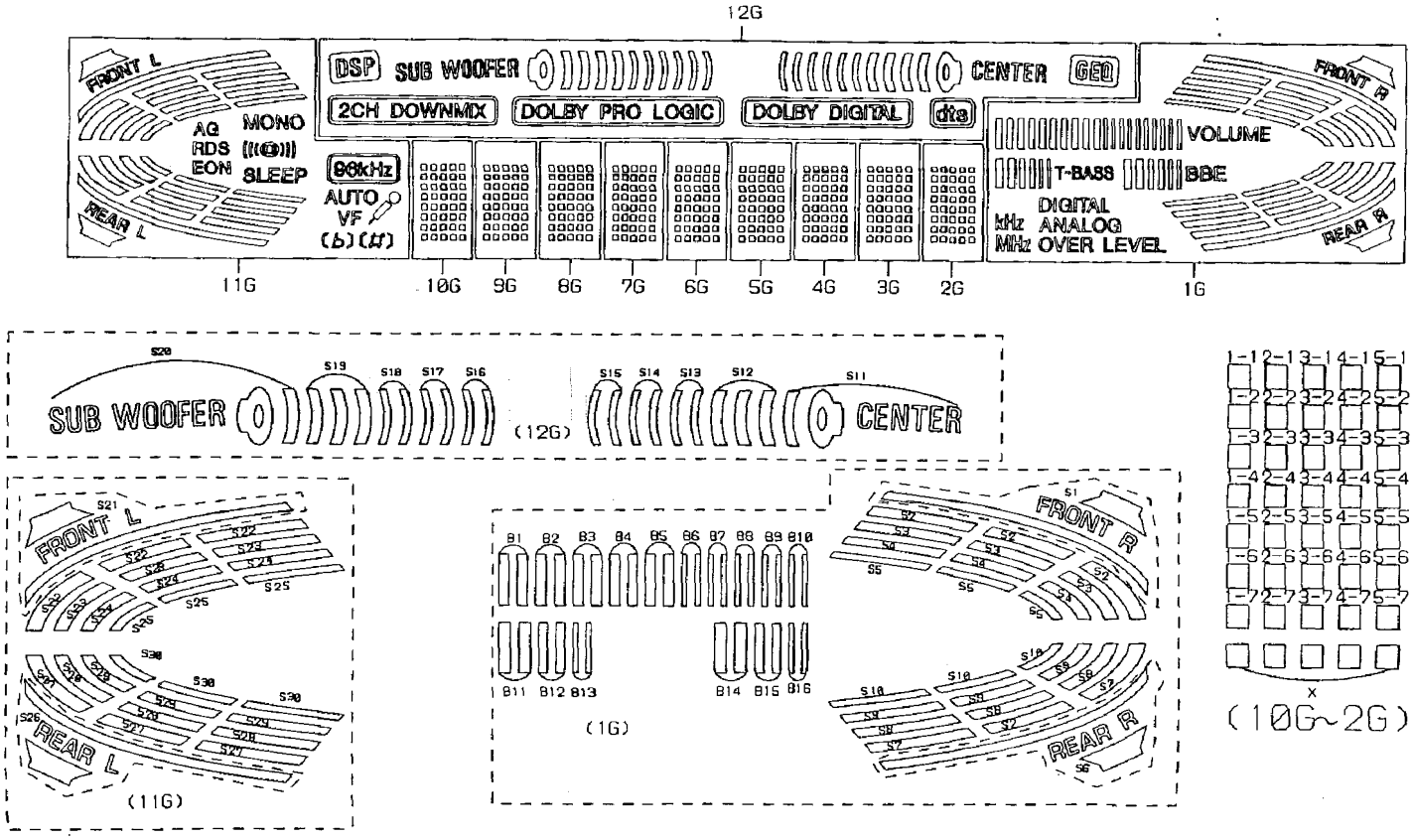



## IC, LA1837NL



# FL (BJ759GK) GRID ASSIGNMENT AND ANODE CONNECTION

## GRID ASSIGNMENT



ANODE CONNECTION

| | 12G | 11G | 10G~2G | 1G |
|---|---|---|---|---|
| P1 | GEQ | - | 1-1 | - |
| P2 | dts | - | 2-1 | B1 |
| P3 | DOLBY DIGITAL | - | 3-1 | B2 |
| P4 | S11 | - | 4-1 | B3 |
| P5 | S12 | - | 5-1 | B4 |
| P6 | S13 | - | 1-2 | B5 |
| P7 | S14 | - | 2-2 | B6 |
| P8 | S15 | - | 3-2 | B7 |
| P9 | DOLBY PRO LOGIC | - | 4-2 | B8 |
| P10 | 2CH DOWNMIX | - | 5-2 | B9 |
| P11 | S16 | - | 1-3 | B10 |
| P12 | S17 | - | 2-3 | VOLUME |
| P13 | S18 | - | 3-3 | B11 |
| P14 | S19 | - | 4-3 | B12 |
| P15 | S20 | - | 5-3 | B13 |
| P16 | DSP | MONO | 1-4 | T-BASS |
| P17 | - | AG | 2-4 | B14 |
| P18 | - | ((◎)) | 3-4 | B15 |
| P19 | - | RDS | 4-4 | B16 |
| P20 | - | SLEEP | 5-4 | BBE |
| P21 | - | EON | 1-5 | DIGITAL |
| P22 | - | 96kHz | 2-5 | ANALOG |
| P23 | - | AUTO | 3-5 | OVER LEVEL |
| P24 | - | VF | 4-5 | kHz |
| P25 | - | (□) | 5-5 | MHz |
| P26 | - | (♭) | 1-6 | - |
| P27 | - | S25 | 2-6 | S5 |
| P28 | - | S24 | 3-6 | S4 |
| P29 | - | S23 | 4-6 | S3 |
| P30 | - | S22 | 5-6 | S2 |
| P31 | - | S21 | 1-7 | S1 |
| P32 | - | S30 | 2-7 | S10 |
| P33 | - | S29 | 3-7 | S9 |
| P34 | - | S28 | 4-7 | S8 |
| P35 | - | S27 | 5-7 | S7 |
| P36 | - | S26 | X | S6 |

## IC DESCRIPTION

IC, UPD780228GF-071

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | $\overline{\text{O-K-SCAN}}$ | O | Switch scan timing output. |
| 2 | O-PLL-CE | O | PLL IC chip enable output. |
| 3 | O-DATA(M) | O | Data output for sound. |
| 4 | I-$\overline{\text{TUNE/IFC}}$ | I | TUNE-IF count serial data input. |
| 5 | O-STB(M) | O | Latch strobe output for sound CTRL. |
| 6 | O-MUTE | O | System mute ON/OFF output. |
| 7 | O-CLK(M) | O | Clock output. |
| 8 | O-OSD-CE | - | Not used. |
| 9 | $\overline{\text{O-POWER}}$ | O | System power supply ON/OFF output. |
| 10 | O-DSP-CE | - | Not used. |
| 11 | O-STB-31 | O | GEQ IC chip enable output. |
| 12 | I-TM-BASE | I | Reference clock input for timer watch. |
| 13 | O-TC4094-CE | O | Shift register chip enable output. |
| 14 | O-A45-$\overline{\text{CS}}$ | O | AK4527 chip select. |
| 15 | O-A45-DATA | O | AK4527 control data. |
| 16 | O-A45-CLK | O | AK4527 control data clock. |
| 17 | IC | - | Connected to GND. |
| 18 | VSS | - | GND. |
| 19 | VDD | - | Power supply input. |
| 20 | O-Y917-$\overline{\text{RST}}$ | O | YSD917 initial clear output. |
| 21 | O-Y917-$\overline{\text{CS}}$ | O | YSD917 chip select output. |
| 22 | O-Y902-SCK | O | YSS902 & YSD917 bit clock output. |
| 23 | O-Y902-SI | O | YSS902 data output. |
| 24 | I-Y902-SO | I | YSS902 data input. |
| 25 | O-Y902-$\overline{\text{CS}}$ | O | YSS902 chip select output. |
| 26 | O-Y902-$\overline{\text{CSB}}$ | O | YSS902 sub DSP chip select output. |
| 27 | O-A45-PDN | - | Not used. |
| 28 | I-RDS-CLK | - | Not used. |
| 29 | I-RDS-DATA | - | Not used. |
| 30 | $\overline{\text{RESET}}$ | I | Reset input. |
| 31 | O-CONT1 | O | Master VOL CTRL output for surround left & right. |
| 32 | O-CONT2 | O | Master VOL CTRL output for center & sub woofer. |
| 33 | OSD-CLK | - | Not used. |
| 34 | I-$\overline{\text{RMC}}$ | I | System remote control signal input. |
| 35 | OSD-DATA | - | Not used. |
| 36 | C-SHIFT | O | Micon clock shift output. |
| 37 | VDD1 | - | Power supply input. |
| 38, 39 | X2, X1 | - | 4.19 MHz oscillator circuit. |
| 40 | VSS1 | - | GND. |
| 41 | AVDD | - | Power supply input. |
| 42 | $\overline{\text{HOLD}}$ | I | Power failure detected input "L" to stop and hold memory. |
| 43 | I-RE-VOL | I | Rotary encoder signal input (Main vol L & R). |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 44 | I-RDS-SIG/ SYNC-DET | - | Not used. |
| 45 | I-JOG2 | I | Rotary encoder signal input (Multi jog). |
| 46 | I-FU-JOG1 | I | Rotary encoder signaal input (Func jog). |
| 47 | I-KEY2 | I | Key input (A/D). |
| 48 | I-KEY1 | I | Key input (A/D). |
| 49 | I-MULTI-LEVEL | I | Multi Level meter input. |
| 50 | AVSS | - | GND. |
| 51~58 | P36~P29 | O | FL segement P36~P29 output. |
| 59 | P28/$\overline{\text{GEQ}}$ | O/I | FL segement P28 output / $\overline{\text{GEQ}}$ data input to diode. |
| 60 | P27/LW | O/I | FL segement P27 output / LW mode data input to diode. (Not used) |
| 61 | P26/DIGITAL-IN2 | O/I | FL segement P26 output / Digital input data input to diode (VIDEO1, VIDEO2 only). (Not used) |
| 62 | P25/RDS | O/I | FL segement P25 output / RDS data input to diode. (Not used) |
| 63 | P24/$\overline{\text{BBE}}$ | O/I | FL segement P24 output / BBE data input to diode. |
| 64 | P23/AMST/WIDE | O/I | FL segement P23 output / AM stereo, wide band data input to diode. (Not used) |
| 65 | P22/AM10K | O/I | FL segement P22 output / AM10kHz step data input to diode. |
| 66 | P21/KARAOKE | O/I | FL segement P21 output / KEY CON data input to diode. (Not used) |
| 67 | P20/OSD | O/I | FL segement P20 output / OSD data input to diode. (Not used) |
| 68 | P19/AC-3 | O/I | FL segement P19 output / DOLBY DIGITAL data input to diode. |
| 69 | P18DIGITAL-IN1 | O/I | FL segement P18 output / Digital input data input to diode (VIDEO1, VIDEO2, VIDEO3, CD). (Not used) |
| 70 | P17/$\overline{\text{96kHz}}$ | O/I | FL segement P17 output / $\overline{\text{96kHz}}$ data input to diode. |
| 71 | P16/DTS | O/I | FL segement P16 output / DTS data input to diode. (Not used). |
| 72 | P15/$\overline{\text{DSP}}$ | O/I | FL segement P15 output / $\overline{\text{DSP}}$ data input to diode. |
| 73 | P14 | O | FL segement P14 output. |
| 74 | P13/STEREO | O/I | FL segement P13 output / Tuner stereo detected input. |
| 75 | P12/$\overline{\text{HP-MUTE}}$ | O/I | FL segement P12 output / $\overline{\text{Headphone}}$ mute detected. |
| 76 | P11/$\overline{\text{I-MIC}}$ | O/I | FL segement P11 output / $\overline{\text{Mic}}$ input detected input. |
| 77,78 | P10,P9 | O | FL segement P10, P9 output. |
| 79 | VDD2 | - | Power supply input. |
| 80 | -VFL | - | Power supply input for FL display. |
| 81 | P8 | O | FL segement P8 output. |
| 82 | P7 | O | FL segement P7 output. |
| 83 | P6 | O | FL segement P6 output. |
| 84 | P5 | O | FL segement P5 output. |
| 85~88 | P4~P1 | O | FL segement P4 ~ P1 output. |
| 89~100 | G12~G1 | O | FL grid output G12 ~ G1. |

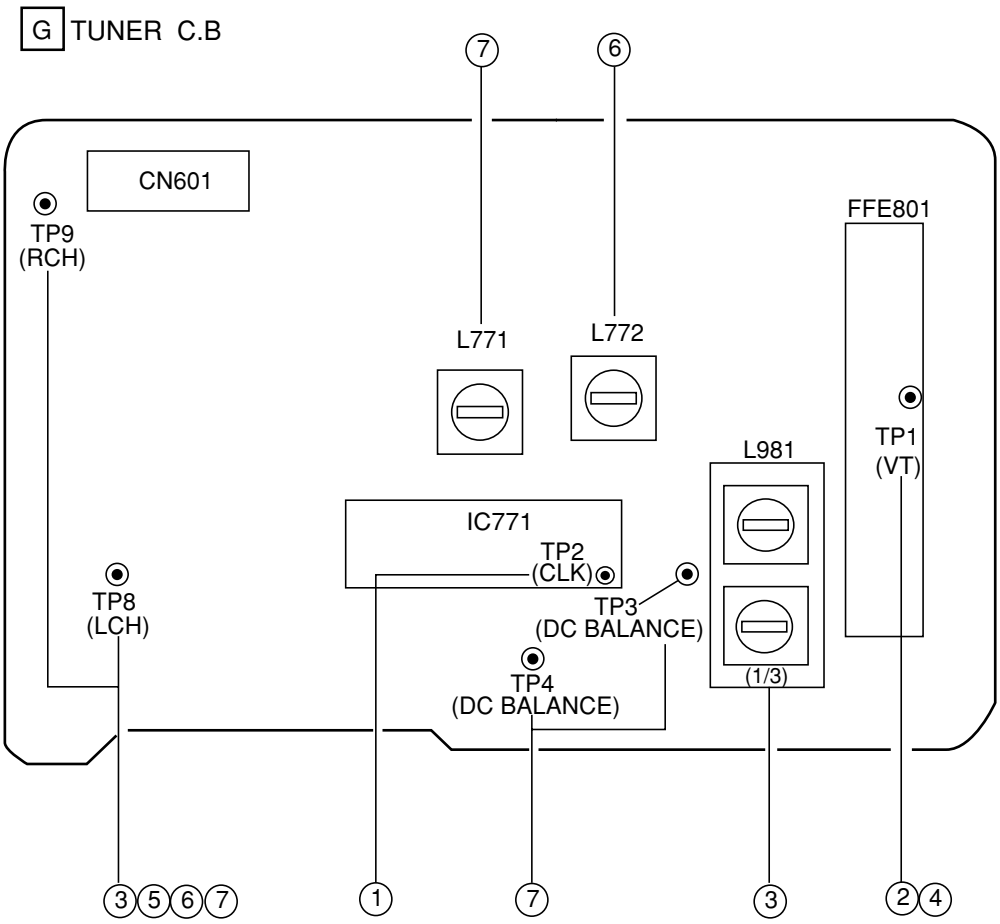
IC, YSS902

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | VDD1 | - | +5V power supply for (I/Os). |
| 2 | RAMCEN | O | External SRAM Interface / CE. (Not used) |
| 3 | RAMA16 | O | External SRAM Interface address 16. (Not used) |
| 4 | RAMA15 | O | External SRAM Interfce address 15. (Not used) |
| 5~7 | SDIB0~2 | I | PCM input 0~2 to Sub DSP. (Not used) |
| 8 | XI | I | Crystal oscillator connection or input external clock (6.125MHz - 50.0MHz). |
| 9 | XO | O | Crystal oscillator connection. |
| 10 | VSS | - | Ground. |
| 11 | AVDD | - | +3.3V power supply (for PLL circuit). |
| 12~14 | TEST | - | Test terminal. (Not used) |
| 15 | OVFB | O | Detection of overflow at Sub DSP. (Not used) |
| 16~18 | TEST | - | Test terminal. (Not used) |
| 19 | CPO | O | Output terminal for PLL, to be connected to ground through the external analog filter circuit. |
| 20 | AVSS | - | Ground (for PLL circuit). |
| 21 | VDD2 | - | +3.3V power supply (for core logic). |
| 22 | SDOA2 | O | PCM output from Main DSP (C, LFE). (Not used) |
| 23 | SDOA1 | O | PCM output from Main DSP (LS, RS). (Not used) |
| 24 | SDOA0 | O | PCM output from Main DSP (L, R). (Not used) |
| 25~29 | RAMA14~10 | O | External SRAM Interface address 14 ~ 10. (Not used) |
| 30 | VSS | - | Ground. |
| 31 | VDD1 | - | +5V power supply (for I/Os). |
| 32 | OPORT0 | O | Output port for general purpose. (Not used) |
| 33~35 | OPORT1~3 | O | Output port for general purpose. |
| 36 | OPORT4 | O | Output port for general purpose. |
| 37 | OPORT5 | O | Output port for general purpose. (Not used) |
| 38 | OPORT6 A | O | Output port for general purpose. |
| 39 | OPORT7 B | O | Output port for general purpose. |
| 40 | VSS | - | Ground. |
| 41 | VDD2 | - | +3.3V power supply (for core logic). |
| 42~44 | RAMA9~7 | O | External SRAM interface address 9~7. (Not used) |
| 45~47 | SDOB2~0 | O | PCM output from Sub DSP. |
| 48 | SDBCK1 | I | Bit clock input for SDOA, SDIB, SDOB. (Not used) |
| 49 | SDWCK1 | I | Word clock input for SDOA,SDIB,SDOB. (Not used) |
| 50 | VSS | - | Ground. |
| 51 | VDD2 | - | +3.3V power supply (for core logic). |
| 52 | NONPCM | O | Detection of non-PCM data. (Not used) |
| 53 | CRC | O | Detection of CRC error. (Not used) |
| 54 | MUTE | O | Detection of auto mute. (Not used) |
| 55 | KARAOKE | O | Detection of AC-3 karaoke data. (Not used) |
| 56 | SURENC | O | Detection of AC-3 2/0 mode Dolby surround encoded input. (Not used) |
| 57 | /SDBCK0 | O | Inverted SDBCK0 clock output. (Not used) |
| 58,59 | RAMA6,5 | O | External SRAM Interface address 6, 5. (Not used) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 60 | VSS | - | Ground. |
| 61 | RAMA4 | O | External SRAM Interface address 4. (Not used) |
| 62 | /IC | I | Initial clear. |
| 63 | TEST | - | Test terminal. (Not used) |
| 64 | RAMA3 | O | External SRAM Interface address 3. (Not used) |
| 65 | /CSB | I | Sub DSP Chip select. |
| 66 | /CS | I | Microprocessor interface Chip select. |
| 67 | SO | O | Microprocessor interface Serial data output. |
| 68 | SI | I | Microprocessor interface / Sub DSP Serial data input. |
| 69 | SCK | I | Microprocessor interface / Sub DSP clock input. |
| 70 | RAMA2 | O | External SRAM Interface address 2. (Not used) |
| 71 | VDD1 | - | +5V power supply (for I/Os). |
| 72~79 | RAMD0~7 | I/O | External SRAM Interface data (STREAM0~7 output when External SRAM is not in use). (Not used) |
| 80 | VSS | - | Ground. |
| 81 | VDD2 | - | +3.3V power supply (for core logic). |
| 82 | SDWCK0 | I | Word clock input for SDIA, SDOA, SDIB, SDOB. |
| 83 | SDBCK0 | I | Bit clock input for SDIA, SDOA, SDIB, SDOB. |
| 84 | SDIA0 | I | AC-3 bitstream (or PCM ) data input for Main DSP. |
| 85 | SDIA1 | I | AC-3 bitstream (or PCM ) data input for Main DSP. |
| 86,87 | RAMA1,0 | O | External SRAM Interface address 1, 0. (Not used) |
| 88 | RAMWEN | O | External SRAM Interface / WE. (Not used) |
| 89 | RAMOEN | O | External SRAM Interface / OE. (Not used) |
| 90 | VSS | - | Ground. |
| 91 | VDD2 | - | +3.3V power supply (for core logic). |
| 92~99 | IPORT7~0 | I | Input port for general purpose. |
| 100 | VSS | - | Ground. |

IC, YSD917

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | AVDD | - | Analog power supply for PLL (+5V). |
| 2 | PCO | - | PLL filter connection terminal. |
| 3 | AVSS | - | Analog ground. |
| 4 | M/S | I | Master / slave mode selection. (Not used) |
| 5 | DDIN | I | Digital audio interface data input. (Not used) |
| 6 | TEST | I | Test terminal (To be open). (Not used) |
| 7 | /IC | I | Initial clear input. |
| 8 | VSS | - | Ground. |
| 9 | XO | O | 24.576MHz crystal oscillator connection output terminal. |
| 10 | XI | I | 24.576MHz crystal oscillator connection input terminal. |
| 11 | MCK | O | 12.288MHz clock output. |
| 12 | VDD | - | +5V power supply. |
| 13 | SDO | O | Serial data output. |
| 14 | SDBCK | I/O | Serial data bit clock input / output (64 fs). |
| 15 | SDWCK | I/O | Serial data word clock input / output (fs). |
| 16 | SDMCK | O | Serial data master clock output (256 fs or 128 fs). |
| 17 | VSS | - | Ground. |
| 18 | SYNC/U | O | Serial data synchronization timing output / User data output. (Not used) |
| 19 | FS128/C | O | Serial data master clock 128 fs output / Channel status output. (Not used) |
| 20 | DBL/V | O | Double rate output / Validity flag output. |
| 21 | ERR/BS | O | Data error detection output / Block start output. (Not used) |
| 22 | /LOCK | O | PLL lock detection output. |
| 23 | INT | O | Interrupt output. |
| 24 | VDD | - | +5V power supply. |
| 25 | /CS | I | Microcomputer interface chip select input. |
| 26 | SO | O | Microcomputer interface data output. |
| 27 | SI | I | Microcomputer interface data input. |
| 28 | SCK | I | Microcomputer interface bit clock input. |




< TUNER SECTION >

1. Clock Check
   Settings : • Test point : TP2(CLK)
   Method : Set to AM 1710kHz and check that the test point is 2160kHz ± 45Hz.

2. AM VT Check
   Settings : • Test point : TP1(VT)
   Method : Set to AM 1710kHz and AM 530kHz and check that the test point is less than 8.5V(1710kHz) and more than 0.6V(530kHz).

3. AM Tracking Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L981(1/3) ..... 1000kHz
   Method : Set to MW 1000kHz and adjust L981(1/3) so that the test point is max.

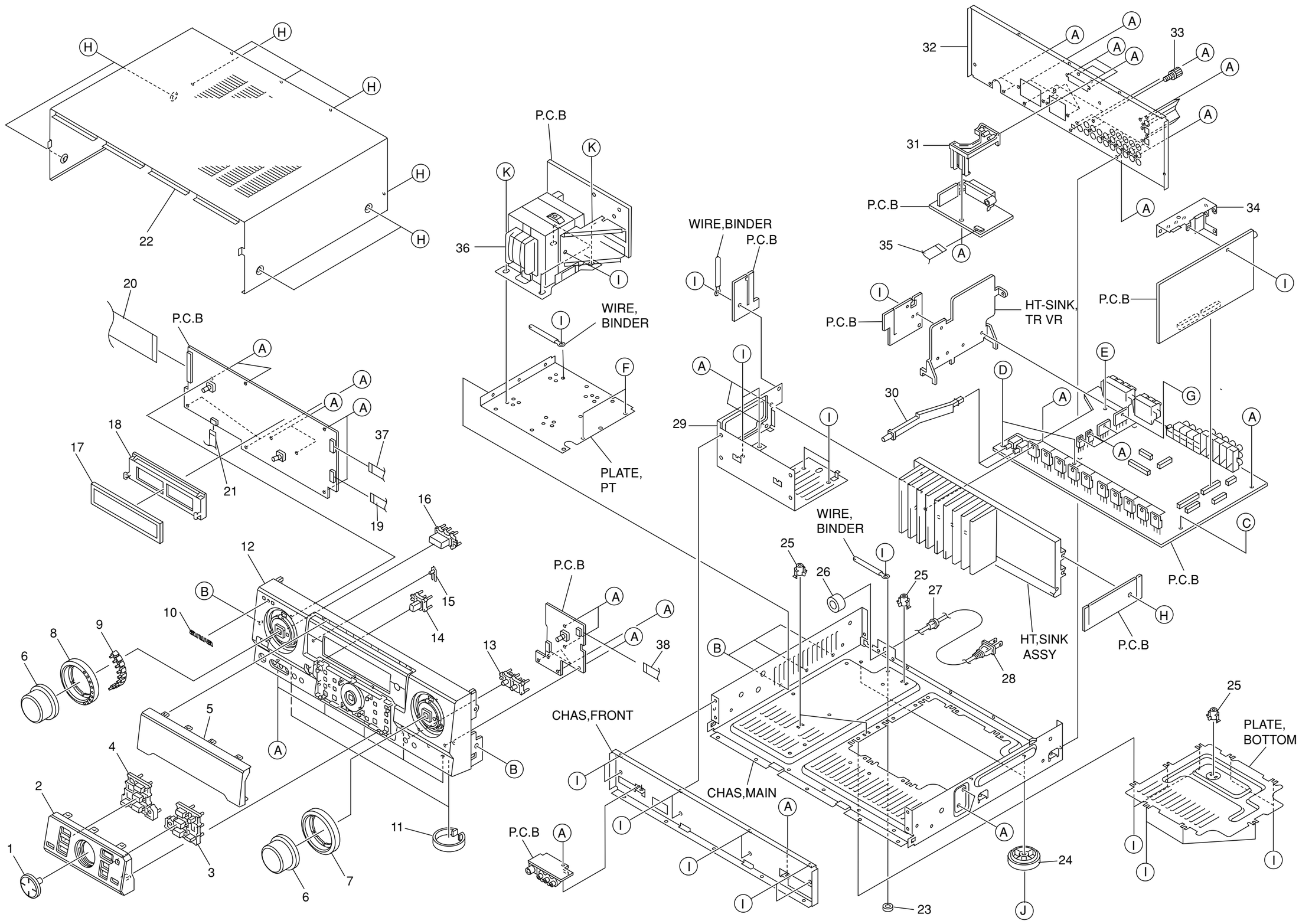
4. FM VT Check
   Settings : • Test point : TP1(VT)
   Method : Set to FM 108.0MHz and check that the test point is less than 8.0V.
   Then, set to FM 87.5MHz and check that the test point is more than 0.5V.

5. FM Tracking Check
   Settings : • Test point : TP9(Lch), TP9(Rch)
   Method : • Set to FM 98.0MHz and check that the test point is less than 9.0dB.

6. AM IF Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L772 ..... 450kHz

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
   TP8(Lch), TP9(Rch) (Distortion)
   • Adjustment location : L771
   • Input level : 60dBµV
   Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V ± 0.04V.
   Next, check that the distortion is less than 1.3%.

MECHANICAL EXPLODED VIEW 1 / 1



# MECHANICAL PARTS LIST 1 / 1

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-AR3-006-010 | | KNOB,RTRY JOG |
| 2 | 8A-AR3-003-010 | | PANEL,FR U |
| 3 | 8A-AR3-013-010 | | KEY,ASSY,ENTER |
| 4 | 8A-AR3-012-010 | | KEY,ASSY,DOLBY |
| 5 | 8A-AR2-005-010 | | WINDOW,DISP DIGI |
| 6 | 8A-AR3-045-010 | | KNOB,RTRY VOL |
| 7 | 8A-AR3-007-010 | | RING,VOL |
| 8 | 8A-AR3-047-010 | | RING,FUN |
| 9 | 8A-AR3-009-010 | | REFLECTOR,FUN |
| 10 | 87-CE3-023-010 | | BADGE,AIWA 30N SILV |
| 11 | 8Z-AR1-020-110 | | RING,FOOT SIL |
| 12 | 8A-AR3-001-010 | | CABI,FR U |
| 13 | 8A-AR3-024-010 | | KEY,BAL |
| 14 | 8A-AR3-020-010 | | KEY,ECO |
| 15 | 8A-AR3-010-010 | | REFLECTOR,ECO |
| 16 | 8A-AR3-021-010 | | KEY,POWER |
| 17 | 8A-AR1-602-010 | | FL,BJ759GK |
| 18 | 8A-AR3-201-010 | | GUIDE,FL |
| 19 | 88-912-101-110 | | FF-CABLE, 12P 1.25 100MM |
| 20 | 8A-AR3-643-010 | | FF-CABLE,32P 1.25 430MM |
| 21 | 88-908-101-110 | | FF-CABLE, 8P 1.25 10MM |
| 22 | 8A-AR3-025-010 | | CABI,STEEL |
| 23 | 8Z-NB8-240-010 | | COVER, PL |
| 24 | 8Z-AR1-021-010 | | FOOT,REAR |
| 25 | 88-AR1-218-010 | | HLDR,PWB H8.9 |
| 26 | 87-008-474-080 | | F—BEAD,EM1 BL02RN1 |
| 27 | 87-085-189-010 | | BUSHING, CORD (U) |
| ⚠ 28 | 87-A80-110-010 | | AC CORD ASSY,U SPT-2W |
| 29 | 8Z-AR1-205-010 | | HLDR,HT-SINK |
| 30 | 8A-AR3-011-010 | | BTN,SP |
| 31 | 88-AR1-203-010 | | HLDR,TU |
| 32 | 8A-AR3-002-010 | | PANEL,REAR UBM |
| 33 | 87-033-209-010 | | TERMINAL, EARTH |
| 34 | 8Z-AR1-219-010 | | HLDR,PWB PRO |
| 35 | 88-912-161-110 | | FF-CABLE,12P 1.25 160MM |
| ⚠ 36 | 8A-AR3-605-010 | | PT,AAR-3(U) |
| 37 | 8A-AR2-641-010 | | FF-CABLE, 14P 1.25 440MM |
| 38 | 88-907-351-110 | | FF-CABLE, 7P 1.25 350MM |
| A | 87-067-703-010 | | TAPPING SCREW, BVT2+3-10 |
| B | 87-591-095-410 | | TAPPING SCREW, QIT+3-8 (GLD) |
| C | 87-067-633-010 | | TAPPING SCREW, BVT2+3-8 |
| D | 87-067-581-010 | | TAPPING SCREW, BVT2+3-15 |
| E | 87-067-632-010 | | TAPPING SCREW, BVT2+3-15 |
| F | 87-067-585-010 | | TAPPING SCREW, BVTT+4-6 |
| G | 87-067-579-010 | | TAPPING SCREW, BVT2+3-8 |
| H | 87-067-641-010 | | UTT2+3-8(W/O SLOT)BL |
| I | 87-067-584-010 | | TAPPING SCREW, BVT2+3-6 |
| J | 87-067-689-010 | | TAPPING SCREW, BVTT+3-8 |
| K | 87-078-191-010 | | S-SCREW,IT+4-10 |

## COLOR NAME TABLE

| Basic color symbol | Color | Basic color symbol | Color | Basic color symbol | Color |
|---|---|---|---|---|---|
| B | Black | C | Cream | D | Orange |
| G | Green | H | Gray | L | Blue |
| LT | Transparent Blue | N | Gold | P | Pink |
| R | Red | S | Silver | ST | Titan Silver |
| T | Brown | V | Violet | W | White |
| WT | Transparent White | Y | Yellow | YT | Transparent Yellow |
| LM | Metallic Blue | LL | Light Blue | GT | Transparent Green |
| LD | Dark Blue | DT | Transparent Orange | GM | Metallic Green |
| YM | Metallic Yellow | DM | Metallic Orange | | |

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9820543 0251431 Printed in Singapore